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# PROJECTIONS AND PLANNING INFORMATION



## Modesto

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(Stanislaus County)

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# **PROJECTIONS AND PLANNING INFORMATION**

## **MODESTO METROPOLITAN STATISTICAL AREA (STANISLAUS COUNTY)**

**1996 Updates**

**Included**

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND FAIRLY UNUSUAL ORGANIZATION, AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER, AND A PRESTIGIOUS AND HIGHLY RESPECTED ORGANIZATION.

Mailing Address:

Employment Development Department  
Labor Market Information Division  
P.O. Box 826880  
Sacramento, CA 94280-0001

For Additional Information For This County  
Call Victor Coelho, (209) 244-7718  
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State of California  
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## **LABOR MARKET INFORMATION DIVISION**

### **MISSION**

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

### **VISION**

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



*Projections*  
*&*  
*Planning*  
*Information*

## **Module A:**

# **Introduction**



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This publication is developed by the California Employment Development Department's Labor Market Information Division (LMD). It is intended to provide county, city, and industry specific wage and employment information to assist the reader in understanding labor market conditions in their area. The data and analysis presented in this publication are designed to provide decision makers with the information they need to make informed decisions about labor market issues.

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- O\*NET The Occupational Information Network
- Standard Occupational Classification (SOC)
- EDD and Related Services

Module B: Labor Force Current and historical wage and employment information for the county and its cities.

- State Head of Census Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Rates

Module C: Wage and Salary Employment Current and historical wage and salary employment data.

- Annual Average Data
- Monthly Data



# Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

**Customers may choose some or all of the following modules:**

**Module A:** *Introduction Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O\*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

**Module B:** *Labor Force Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

**Module C:** *Wage and Salary Employment Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

**Module D: Projections** *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
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- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

**Module E: Occupational Wages** *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

**Module F: Social and Economic Data Tables** *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

# Stanislaus County

Located in the northern San Joaquin Valley, Stanislaus County is bordered by San Joaquin County on the north; Calaveras and Tuolumne counties on the east; Merced County on the south; and Santa Clara County to the west. Stanislaus County's productive soils, long growing seasons, and extensive transportation network combine to make a highly successful farm and business region. In terms of gross farm income, the county ranks as one of the nation's top ten agricultural counties.

Located along Highway 99, Modesto is the county's largest city and serves as the seat of government. Southeast of Modesto, Turlock is the county's second largest city, while Riverbank, situated along the Stanislaus River, is the fastest growing incorporated city.

Stanislaus County's transportation network includes two major highways: Interstate 5 and State Route 99. Both traverse the county in a north-south direction. The major east-west artery is State Highway 132. The county is

positioned close to large consumer and industrial marketplaces such as Sacramento, San Francisco and the Silicon Valley. Both long- and short-haul trucking firms provide an essential service for producer and consumer alike. Approximately 26 miles north of Modesto, in neighboring San Joaquin County, the city of Stockton provides international shipping facilities. As a result, many national food-related companies with extensive distribution markets call Stanislaus County home.

Agriculture-related activities have formed the basis of the county's economy, but while agribusiness remains important, other economic sectors are expanding dramatically. These include commercial, industrial, and service activities, which provide a more diverse base of opportunity for Stanislaus County's labor force.

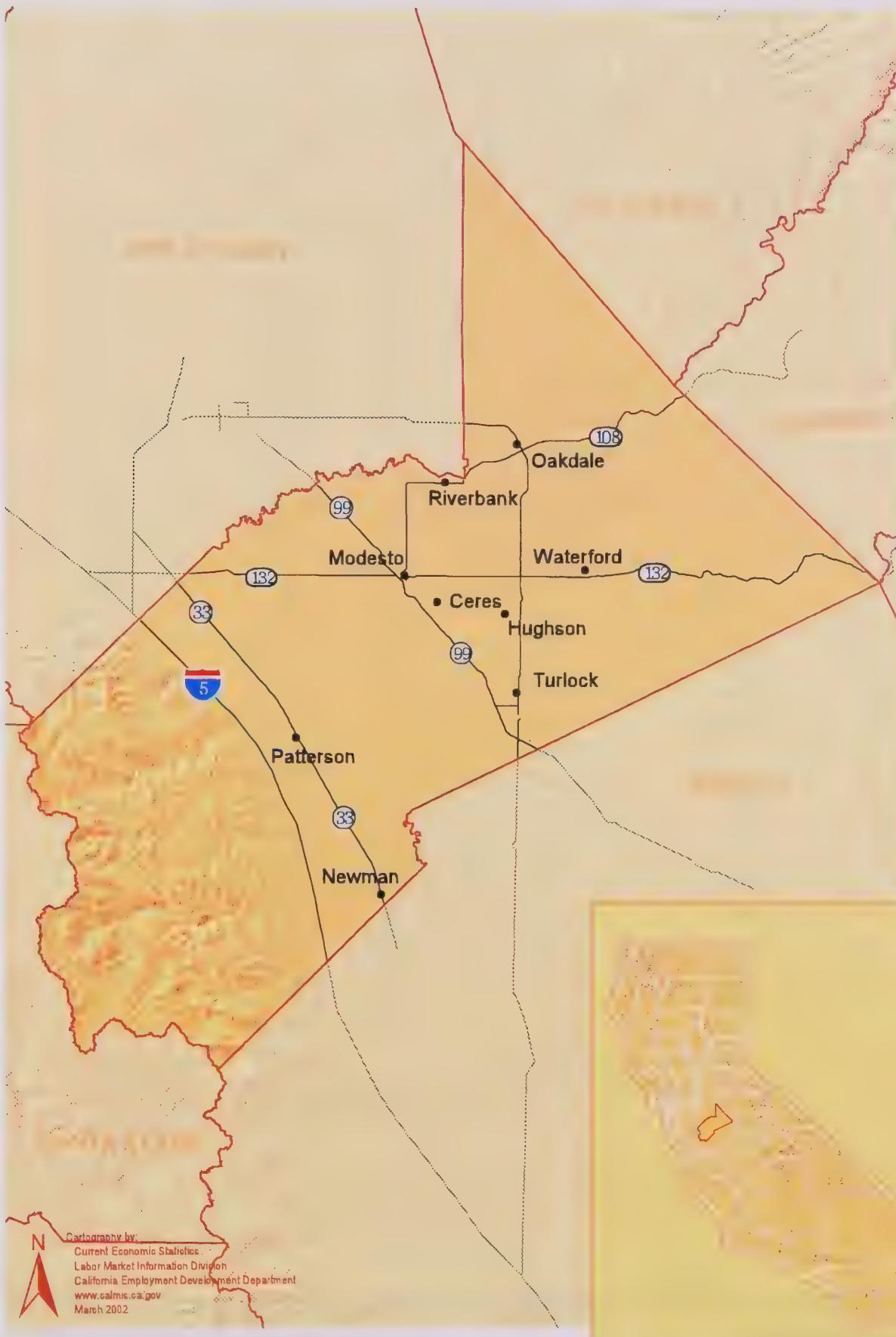
**Stanislaus County**  
**(Modesto Metropolitan Statistical Area)**

**Population of the County and Selected Cities**  
**1980, 1990, 2000, and 2001**

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
<b>Total</b>	<b>265,900</b>	<b>370,522</b>	<b>446,997</b>	<b>459,900</b>	<b>20.6%</b>	<b>2.9%</b>
Ceres	13,281	26,314	34,609	35,350	31.5%	2.1%
Hughson	2,943	3,259	3,980	4,140	22.1%	4.0%
Modesto	106,963	164,730	188,856	194,400	14.6%	2.9%
Newman	2,785	4,151	7,093	7,525	70.9%	6.1%
Oakdale	8,474	11,961	15,503	15,800	29.6%	1.9%
Patterson	3,908	8,626	11,606	12,300	34.5%	6.0%
Riverbank	5,695	8,547	15,826	16,300	85.2%	3.0%
Turlock	26,287	42,198	55,810	57,800	32.3%	3.6%
Waterford	2,683	4,771	6,924	7,075	45.1%	2.2%
Balance of County	92,881	95,965	106,790	109,200	11.3%	2.3%

- (a) Census of Population, April 1, 1980.
  - (b) Census of Population, April 1, 1990.
  - (c) Census of Population, April 1, 2000.
  - (d) California Department of Finance revised estimates for January 1, 2001.
- Parts may not add to total due to independent rounding.

# Stanislaus County



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## Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.

Report E-1. Sacramento, California, May 2001.

# O\*NET

## The Occupational Information Network

The *Occupational Information Network* (O\*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O\*NET was created for the general public to provide broad access to occupational information.

The O\*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O\*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O\*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O\*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O\*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O\*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O\*NET data collection and database will be maintained by the newly established National O\*NET Consortium.

For further information contact O\*NET:

O\*NET Project  
DOL Office of Policy and Research  
200 Constitution Ave., NW, MS N5637  
Washington, DC 20210  
(202) 693-3660

<http://www.dol.gov/programs/onet/>

# Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

## *General Characteristics of the Revised SOC*

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)  
19-000 Life scientists (*minor group*)  
19-1020 Biological scientists (*broad occupation*)  
19-1021 Biochemists and biophysicists (*detailed occupation*)  
19-1022 Microbiologists (*detailed occupation*)  
19-1023 Zoologists and wildlife biologists (*detailed occupation*)  
19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O\*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

# Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

**CalJOBS** – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

**Employer Advisory Councils** work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

## Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

## Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

# **California's Labor Market and Occupational Information is only a click away ...**

Use your computer to view and/or download important economic data directly from us —  
**24 hours a day, seven days a week!**

<http://www.calmis.ca.gov>

## **Data available on-line:**

*Agriculture* Statewide and county employment and earnings data for selected crops and industries.

*Demographics* Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

*Industry* Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

*Labor Force* Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

*Resources* Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

*Occupations* Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

## **Visit our interactive on-line sites:**

*Labor Market Information for Economic Development (LMI4ED)* Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

*California Career & Training Information System (CaCTIS)* Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

**Publications and Information:** Publications Desk (916) 262-2162

**Internet Assistance:** (916) 262-2213 or (916) 262-2340

# Related Websites

## Local Government

CA local government agencies

[http://www.ceres.ca.gov/geo\\_area/counties](http://www.ceres.ca.gov/geo_area/counties)

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

## State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

## Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

*Projections  
& Planning  
Information*

## **Module B:**

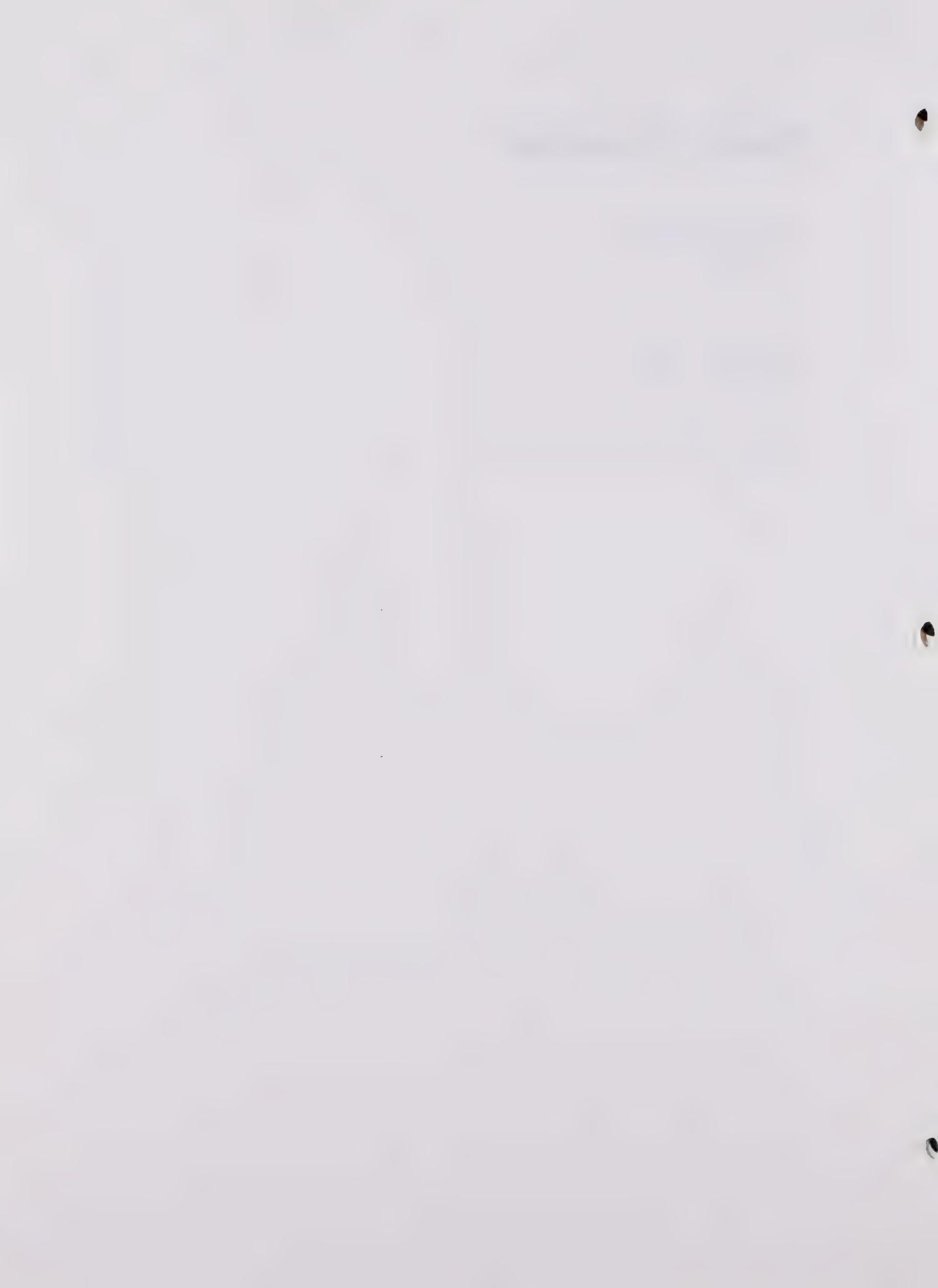
# **Labor Force**



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# Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

*Civilian Labor Force* includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

*Civilian Employment* includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

*Civilian Unemployment* includes those individuals who are not working but are able, available and looking for work.

*Unemployment Rate* is the number of unemployed individuals expressed as a percentage of the civilian labor force.

## Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

## Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

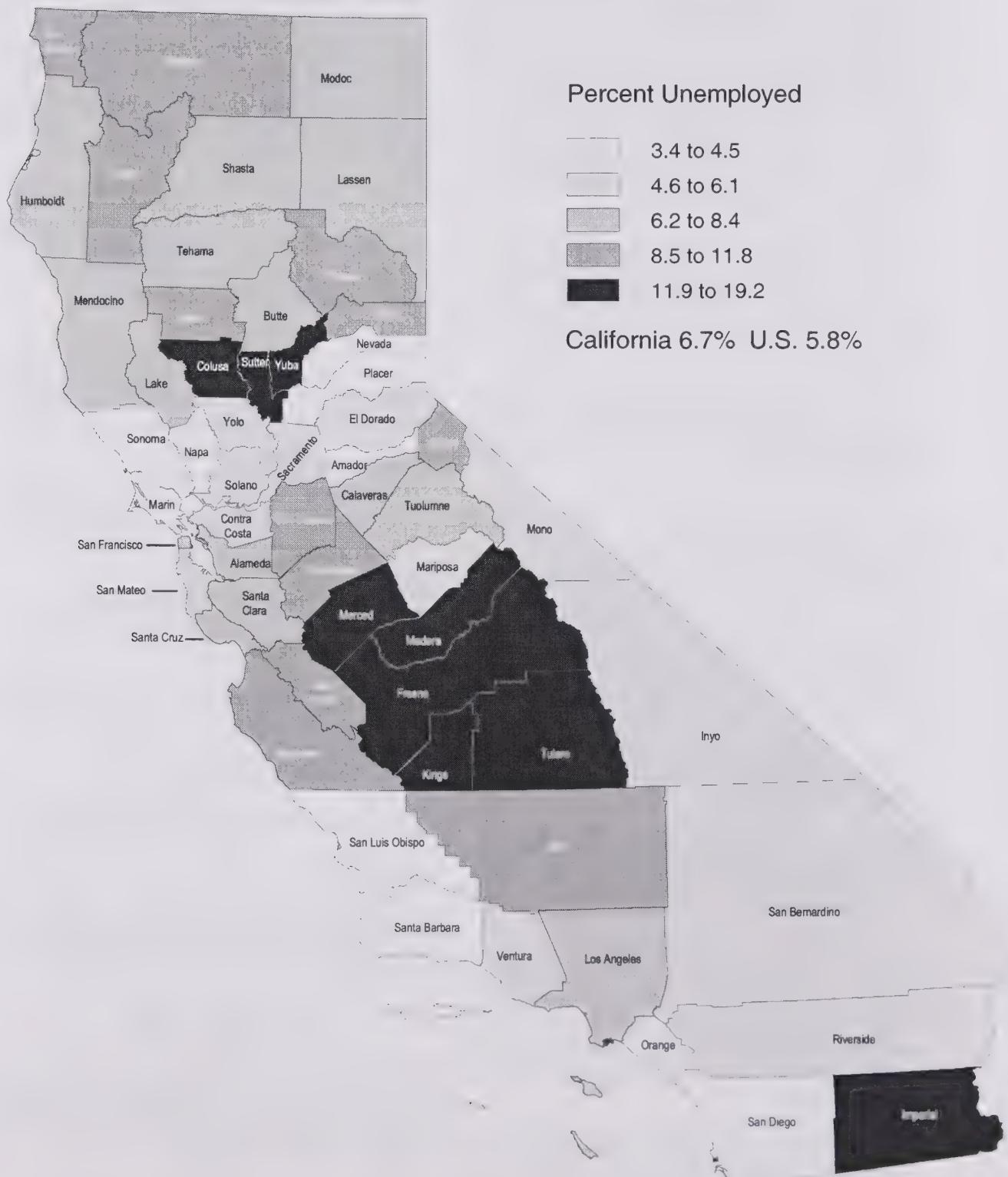
Electronic access to data is available through the Employment Development Department's Internet address at:

[www.calmis.ca.gov](http://www.calmis.ca.gov)

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

# County Unemployment Rates

2002 Annual Averages



**United States, California and Counties**  
**Unemployment Rates**  
 2001, 2002 Annual Averages\*

	2001	2002		2001	2002
<b>U.S.</b>	4.7	5.8			
<b>CALIFORNIA</b>	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)  
Annual Averages 1990–2002

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b>	216,600	191,800	24,800	11.4%
<b>2001</b>	210,500	188,800	21,700	10.3%
<b>2000</b>	204,300	182,900	21,400	10.5%
<b>1999</b>	203,500	182,100	21,400	10.5%
<b>1998</b>	202,600	177,800	24,800	12.2%
<b>1997</b>	199,100	173,100	26,000	13.1%
<b>1996</b>	195,000	167,500	27,500	14.1%
<b>1995</b>	193,800	163,800	30,000	15.5%
<b>1994</b>	195,300	164,600	30,700	15.7%
<b>1993</b>	194,700	162,300	32,400	16.6%
<b>1992</b>	192,400	160,800	31,600	16.4%
<b>1991</b>	183,300	156,500	26,800	14.6%
<b>1990</b>	181,100	159,700	21,400	11.8%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b>	January 210,000	183,100	26,900	12.8%
	February 210,500	183,200	27,300	13.0%
	March 212,700	185,200	27,500	12.9%
	April 210,800	185,100	25,700	12.2%
	May 210,700	186,600	24,100	11.4%
	June 218,100	192,700	25,400	11.7%
	July 223,500	198,700	24,800	11.1%
	August 225,200	204,600	20,600	9.1%
	September 221,100	201,100	20,000	9.0%
	October 219,000	195,600	23,400	10.7%
	November 219,800	193,600	26,200	11.9%
	December 218,000	192,400	25,700	11.8%
	Annual Average 216,600	191,800	24,800	11.4%
<b>2001</b>	January 202,600	178,700	23,900	11.8%
	February 204,900	180,300	24,500	12.0%
	March 205,500	180,900	24,500	11.9%
	April 204,600	181,700	22,800	11.2%
	May 207,000	185,400	21,600	10.4%
	June 214,600	192,500	22,100	10.3%
	July 216,400	195,200	21,200	9.8%
	August 221,100	204,300	16,800	7.6%
	September 214,500	197,200	17,300	8.1%
	October 212,800	192,900	19,900	9.3%
	November 212,800	189,700	23,100	10.8%
	December 209,600	186,400	23,200	11.1%
	Annual Average 210,500	188,800	21,700	10.3%
<b>2000</b>	January 197,700	174,500	23,300	11.8%
	February 199,400	175,500	23,900	12.0%
	March 200,500	176,100	24,400	12.1%
	April 200,900	178,100	22,900	11.4%
	May 203,500	180,400	23,000	11.3%
	June 209,900	186,000	23,900	11.4%
	July 210,200	188,500	21,700	10.3%
	August 211,900	195,000	17,000	8.0%
	September 206,600	190,300	16,300	7.9%
	October 205,200	186,000	19,300	9.4%
	November 202,900	182,100	20,800	10.3%
	December 202,400	182,300	20,100	9.9%
	Annual Average 204,300	182,900	21,400	10.5%

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1999</b>	January	199,000	173,100	25,900	13.0%
	February	199,000	172,700	26,300	13.2%
	March	200,200	174,700	25,500	12.8%
	April	200,600	176,900	23,600	11.8%
	May	201,500	178,900	22,600	11.2%
	June	207,000	183,400	23,700	11.4%
	July	210,100	188,200	22,000	10.5%
	August	212,100	195,300	16,900	7.9%
	September	208,700	193,800	14,900	7.2%
	October	203,800	186,100	17,700	8.7%
	November	201,100	181,900	19,300	9.6%
	December	199,300	180,300	19,000	9.5%
	Annual Average	203,500	182,100	21,400	10.5%
<b>1998</b>	January	197,000	167,800	29,200	14.8%
	February	198,800	168,500	30,300	15.2%
	March	198,200	170,200	28,000	14.1%
	April	199,600	172,900	26,700	13.4%
	May	201,400	175,500	25,900	12.9%
	June	205,700	178,500	27,300	13.3%
	July	208,700	183,200	25,500	12.2%
	August	211,900	192,400	19,600	9.2%
	September	211,500	193,200	18,400	8.7%
	October	203,000	181,000	22,100	10.9%
	November	198,800	176,300	22,500	11.3%
	December	196,600	174,700	21,900	11.2%
	Annual Average	202,600	177,800	24,800	12.2%
<b>1997</b>	January	192,600	162,400	30,200	15.7%
	February	194,800	164,100	30,800	15.8%
	March	194,600	165,500	29,100	14.9%
	April	195,300	167,100	28,200	14.5%
	May	199,800	172,700	27,100	13.6%
	June	204,700	177,300	27,500	13.4%
	July	207,200	181,700	25,400	12.3%
	August	207,700	187,700	20,000	9.6%
	September	202,500	182,500	20,100	9.9%
	October	198,500	174,400	24,000	12.1%
	November	197,300	172,200	25,100	12.7%
	December	193,900	169,700	24,200	12.5%
	Annual Average	199,100	173,100	26,000	13.1%

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1996</b>	January	189,400	157,700	31,700	16.7%
	February	190,100	157,600	32,500	17.1%
	March	189,500	158,400	31,100	16.4%
	April	189,000	158,800	30,200	16.0%
	May	194,900	165,900	29,000	14.9%
	June	197,500	168,300	29,300	14.8%
	July	202,300	176,100	26,200	12.9%
	August	204,400	183,100	21,300	10.4%
	September	199,700	178,100	21,600	10.8%
	October	195,600	170,900	24,800	12.7%
	November	195,100	168,600	26,500	13.6%
	December	192,200	166,400	25,700	13.4%
	Annual Average	195,000	167,500	27,500	14.1%
<b>1995</b>	January	189,800	157,400	32,400	17.0%
	February	190,800	157,100	33,700	17.7%
	March	190,400	157,200	33,200	17.4%
	April	190,600	157,400	33,200	17.4%
	May	194,800	162,000	32,800	16.8%
	June	198,600	165,100	33,500	16.9%
	July	201,100	169,500	31,600	15.7%
	August	203,000	178,400	24,600	12.1%
	September	197,000	174,000	23,000	11.7%
	October	191,600	165,600	26,000	13.6%
	November	190,900	162,100	28,800	15.1%
	December	187,400	159,600	27,800	14.8%
	Annual Average	193,800	163,800	30,000	15.5%
<b>1994</b>	January	192,200	156,900	35,300	18.4%
	February	192,700	156,000	36,700	19.0%
	March	192,500	157,700	34,800	18.1%
	April	192,100	158,800	33,300	17.3%
	May	195,100	162,500	32,600	16.7%
	June	198,200	164,300	33,900	17.1%
	July	205,300	175,000	30,300	14.8%
	August	204,700	179,500	25,200	12.3%
	September	198,000	174,000	24,000	12.1%
	October	192,300	165,200	27,100	14.1%
	November	192,200	164,000	28,200	14.7%
	December	188,700	161,200	27,500	14.6%
	Annual Average	195,300	164,600	30,700	15.7%

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1993</b>	January	189,300	154,400	34,900	18.4%
	February	190,100	153,300	36,800	19.4%
	March	189,600	154,700	34,900	18.4%
	April	190,500	155,600	34,900	18.3%
	May	194,800	159,800	35,000	17.9%
	June	198,900	162,300	36,600	18.4%
	July	203,700	172,100	31,600	15.5%
	August	203,300	177,100	26,200	12.9%
	September	196,000	170,900	25,100	12.8%
	October	194,400	164,300	30,100	15.5%
	November	193,700	162,200	31,500	16.3%
	December	191,500	160,400	31,100	16.2%
	Annual Average	194,700	162,300	32,400	16.6%
<b>1992</b>	January	185,300	154,300	31,000	16.8%
	February	187,200	153,400	33,800	18.1%
	March	187,700	154,800	32,900	17.5%
	April	187,500	154,500	33,000	17.6%
	May	192,400	159,200	33,200	17.2%
	June	196,600	161,800	34,800	17.7%
	July	201,100	171,000	30,100	15.0%
	August	201,100	174,100	27,000	13.4%
	September	196,600	169,600	27,000	13.7%
	October	192,700	160,600	32,100	16.6%
	November	191,300	158,800	32,500	17.0%
	December	189,500	158,000	31,500	16.6%
	Annual Average	192,400	160,800	31,600	16.4%
<b>1991</b>	January	180,200	151,300	28,900	16.0%
	February	179,600	149,200	30,400	16.9%
	March	180,200	150,100	30,100	16.7%
	April	181,700	152,200	29,500	16.2%
	May	183,000	153,900	29,100	15.9%
	June	188,600	158,200	30,400	16.1%
	July	187,400	158,700	28,700	15.3%
	August	190,900	170,000	20,900	10.9%
	September	186,300	166,900	19,400	10.4%
	October	180,300	159,000	21,300	11.8%
	November	180,500	154,400	26,100	14.5%
	December	180,200	153,900	26,300	14.6%
	Annual Average	183,300	156,500	26,800	14.6%

**Stanislaus County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1990</b>	January	174,200	153,000	21,100	12.1%
	February	174,200	151,300	22,800	13.1%
	March	175,000	153,200	21,800	12.5%
	April	178,800	156,600	22,300	12.4%
	May	180,900	158,300	22,600	12.5%
	June	187,000	162,800	24,200	12.9%
	July	191,600	169,800	21,800	11.4%
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	September	182,200	166,700	15,500	8.5%
	October	181,100	161,500	19,600	10.8%
	November	179,800	155,300	24,500	13.6%
	December	178,300	154,300	24,000	13.5%
	Annual Average	181,100	159,700	21,400	11.8%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

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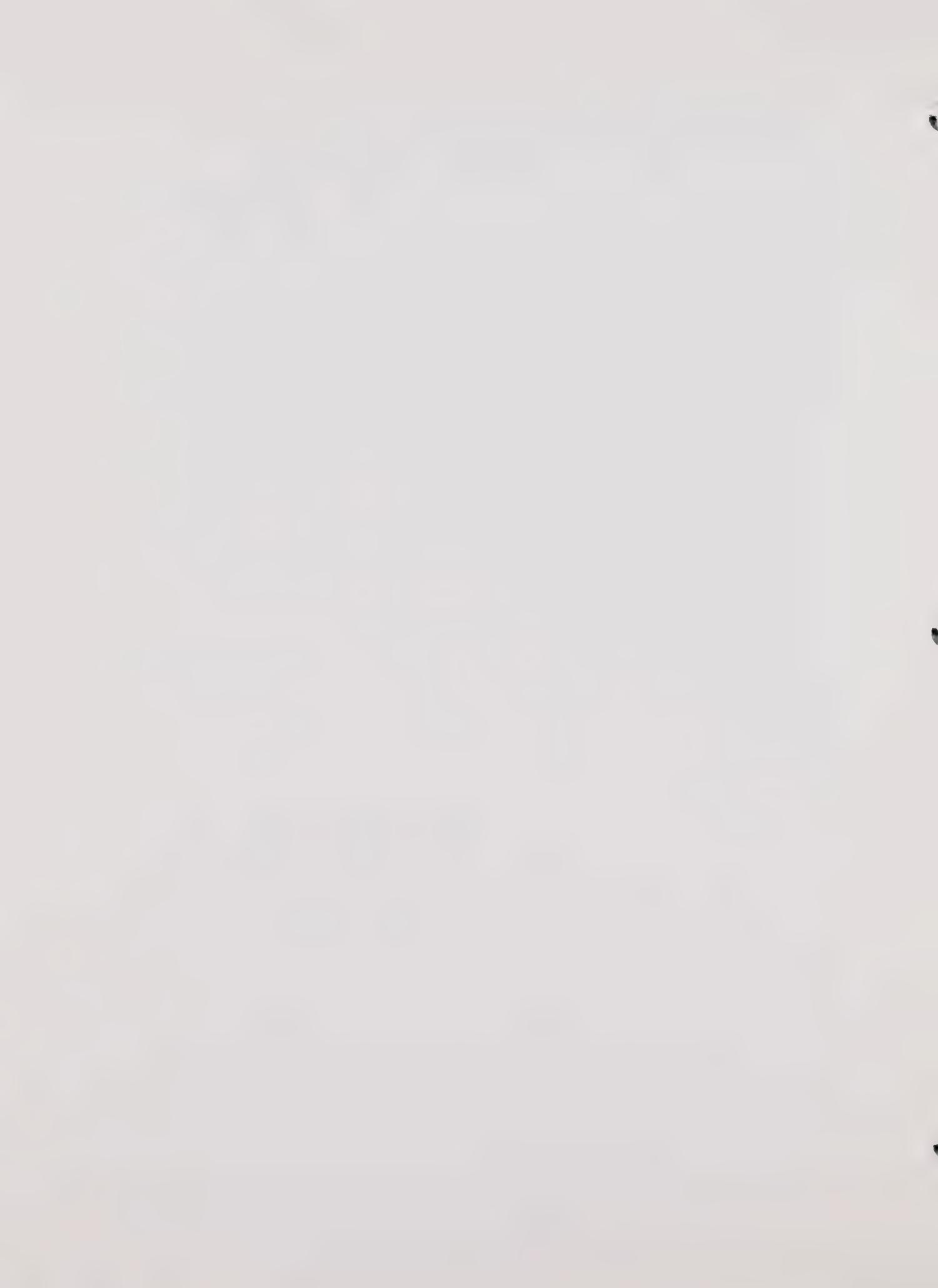
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*Projections  
Planning  
Information*

## Module C:

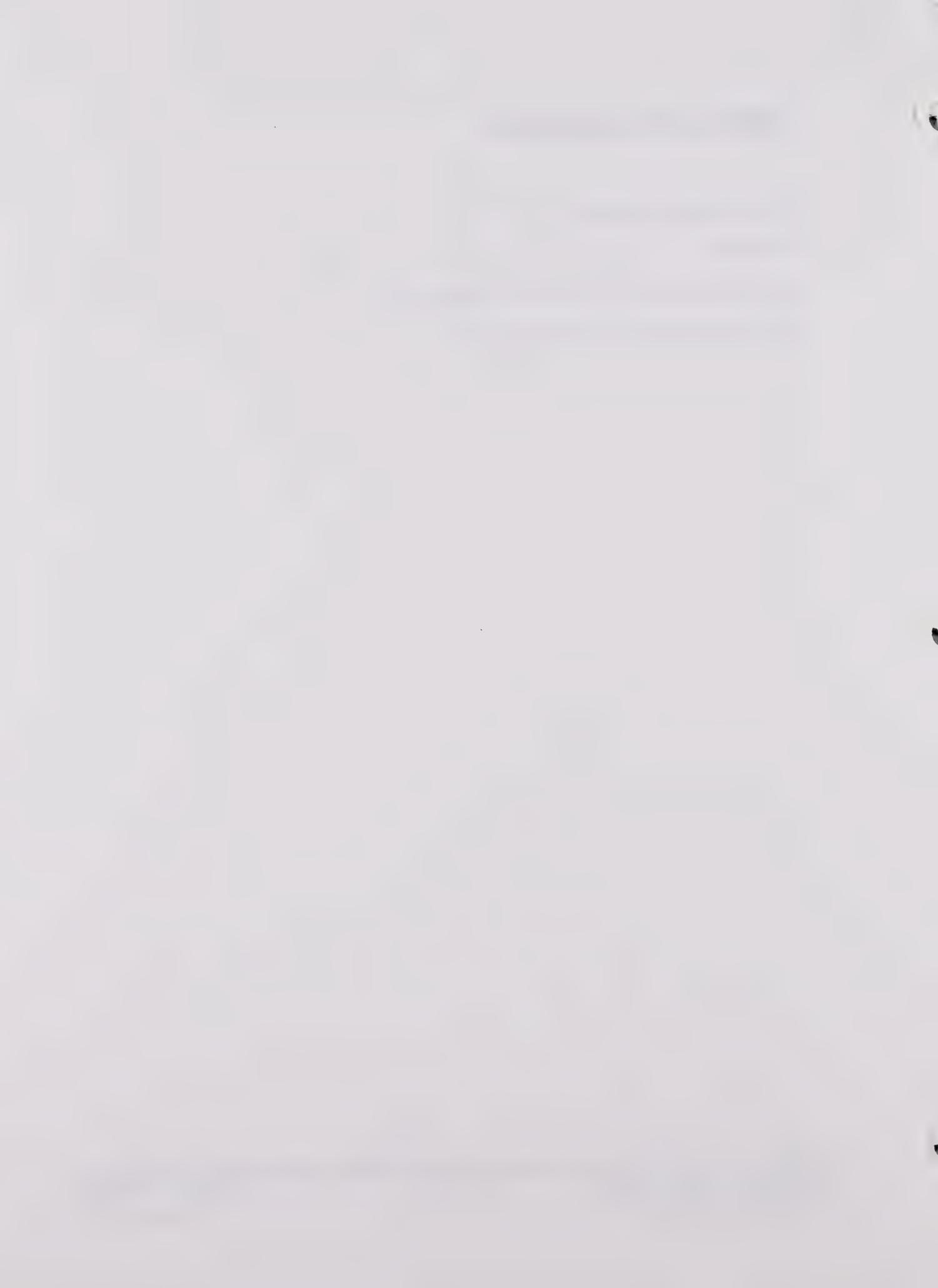
# Wage & Salary Employment



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# Wage and Salary Employment

Industry employment data reflect jobs by "place of work" and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

## Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as "Benchmark data," are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

## Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

## Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

## Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

## Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

#### **Additional Sources of Information**

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

#### **Automated Access**

Access to current data is available through the Employment Development Department's Internet address at:

[www.calmis.ca.gov](http://www.calmis.ca.gov)

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
2000–2002 Annual Averages\*

Industry Title	2000	2001	2002
Total, All Industries	159,900	163,800	165,400
Total Farm	15,700	14,100	14,200
Total Nonfarm	144,200	149,700	151,300
Total Private	120,300	125,200	126,000
Goods Producing	32,600	34,000	33,100
Natural Resources, Mining and Construction	9,900	11,000	10,600
Construction	9,800	11,000	10,600
Manufacturing	22,800	23,000	22,500
Durable Goods	8,200	8,200	7,800
Nondurable Goods	14,500	14,900	14,700
Food Manufacturing	11,600	12,000	12,200
Residual-Beverage and Tobacco Product Mfg	3,000	2,900	2,500
Service Providing	111,500	115,700	118,200
Trade, Transportation and Utilities	29,400	30,800	31,700
Wholesale Trade	5,400	5,400	5,600
Retail Trade	20,200	21,100	21,600
Food and Beverage Stores	4,600	4,800	4,900
Clothing and Clothing Accessories Stores	1,100	1,200	1,400
General Merchandise Stores	4,100	4,200	4,200
Residual-Miscellaneous Store Retailers	10,400	10,900	11,100
Transportation, Warehousing and Utilities	3,800	4,300	4,400
Information	2,000	2,200	1,900
Financial Activities	5,100	5,400	5,500
Professional and Business Services	17,400	16,800	16,000
Professional, Scientific and Technical Services	3,800	4,100	4,300
Management of Companies and Enterprises	4,800	4,700	4,500
Administrative and Support and Waste Services	8,800	8,000	7,300
Employment Services	4,300	3,000	2,300
Residual-Waste Management and Remediation Services	4,400	5,000	4,900
Educational and Health Services	16,500	17,100	17,800
Educational Services	1,000	900	700
Health Care and Social Assistance	15,500	16,200	17,000
Health Care	14,100	14,600	15,100
Social Assistance	1,400	1,600	1,900
Leisure and Hospitality	12,200	13,000	13,800
Residual-Arts, Entertainment, and Recreation	1,900	1,900	2,200
Food Services and Drinking Places	10,300	11,100	11,500
Other Services	5,000	5,900	6,200

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
2000–2002 Annual Averages\*

Industry Title	2000	2001	2002
Government	23,900	24,600	25,300
Federal Government	1,400	1,200	1,200
State and Local Government	22,600	23,400	24,000
State Government	1,700	1,800	1,900
State Government Education	1,300	1,400	1,400
Other State Government	400	400	500
Local Government	20,900	21,600	22,200
Local Government Education	12,400	12,700	13,200
County	4,700	5,100	5,100
City	2,200	2,300	2,400
Other Local Government	1,500	1,600	1,600

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	150,500	151,700	152,700	155,200	159,500	164,800	164,900	169,900	171,636	174,521	159,200	159,200	161,100
Total Farm	11,400	12,000	12,000	13,300	17,200	19,000	18,800	20,400	22,043	23,494	13,900	12,900	16,400
Total Nonfarm	139,100	139,700	140,700	141,900	142,300	145,800	146,100	149,500	149,593	151,027	145,300	146,300	144,800
Total Private	115,500	116,000	116,500	117,400	117,500	121,300	122,900	126,000	125,700	127,158	121,300	122,100	120,800
Goods Producing	29,100	29,400	29,600	30,700	30,800	33,000	35,400	39,200	38,096	39,418	32,200	32,100	33,300
Natural Resources, Mining and Construction	8,700	8,800	9,000	9,500	9,800	10,300	10,200	10,200	10,725	10,983	10,400	10,500	9,900
Construction	8,700	8,800	8,900	9,500	9,700	10,300	10,200	10,200	10,711	10,971	10,400	10,500	9,900
Manufacturing	20,400	20,600	20,600	21,200	21,000	22,700	25,200	29,000	27,371	28,435	21,800	21,600	23,300
Durable Goods	8,100	8,100	8,200	8,400	8,400	8,400	8,200	8,200	8,346	8,368	8,200	8,200	8,300
Nondurable Goods	12,300	12,500	12,400	12,800	12,600	14,300	17,000	20,800	19,025	20,067	13,600	13,400	15,100
Food Manufacturing	9,300	9,400	9,400	9,800	9,700	11,300	13,900	17,800	16,018	17,061	10,700	10,500	12,100
Residual-Beverage and Tobacco Product Mfg	3,000	3,100	3,000	3,000	2,900	3,000	3,100	3,000	3,007	3,006	2,900	2,900	3,000
Service Providing	110,000	110,300	111,100	111,200	111,500	112,800	110,700	110,300	111,496	111,610	113,100	114,200	111,500
Trade, Transportation and Utilities	29,500	29,000	29,000	28,900	29,100	29,600	29,200	29,100	29,186	29,188	30,200	30,500	29,400
Wholesale Trade	5,500	5,400	5,400	5,300	5,300	5,400	5,500	5,400	5,389	5,387	5,300	5,300	5,400
Retail Trade	20,200	19,900	19,900	19,800	20,000	20,300	19,800	19,800	19,861	19,838	21,200	21,500	20,200
Food and Beverage Stores	4,600	4,600	4,600	4,600	4,600	4,700	4,500	4,500	4,539	4,529	4,600	4,600	4,600
Clothing and Clothing Accessories Stores	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,200	1,400	1,100
General Merchandise Stores	4,200	3,900	3,800	3,800	3,900	4,000	3,900	4,000	3,900	3,892	4,800	4,900	4,100
Residual-Miscellaneous Store Retailers	10,300	10,300	10,400	10,300	10,400	10,500	10,300	10,200	10,321	10,318	10,600	10,600	10,400
Transportation, Warehousing and Utilities	3,800	3,700	3,700	3,800	3,800	3,900	3,900	3,900	3,936	3,963	3,700	3,700	3,800
Information	2,000	2,000	2,000	1,900	2,000	2,000	2,000	1,900	1,943	1,936	2,000	2,000	2,000
Financial Activities	5,200	5,300	5,200	5,000	5,000	5,100	5,000	4,900	4,879	4,832	5,100	5,200	5,100
Professional and Business Services	16,800	17,000	17,100	17,300	17,000	17,400	17,500	17,400	17,579	17,665	17,600	18,000	17,400
Professional, Scientific and Technical Services	3,800	3,900	3,900	3,900	3,700	3,700	3,700	3,700	3,654	3,624	3,700	4,000	3,800
Management of Companies and Enterprises	4,800	4,900	4,800	4,800	4,800	4,900	4,800	4,800	4,814	4,812	4,800	4,900	4,800
Administrative and Support and Waste Services	8,200	8,200	8,400	8,600	8,500	8,800	9,000	8,900	9,111	9,230	9,100	9,100	8,800
Employment Services	3,900	3,900	4,000	4,100	4,100	4,200	4,600	4,500	4,607	4,706	4,700	4,700	4,300
Residual-Waste Management and Remediation Services	4,300	4,300	4,400	4,500	4,400	4,600	4,400	4,400	4,504	4,524	4,400	4,400	4,400

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	16,000	16,200	16,200	16,400	16,400	16,500	16,500	16,400	16,604	16,665	16,900	17,000	16,500
Educational Services	1,000	1,100	1,000	1,000	1,000	1,000	1,000	900	936	921	1,000	1,000	1,000
Health Care and Social Assistance	15,000	15,100	15,200	15,400	15,400	15,500	15,500	15,500	15,668	15,744	15,900	16,000	15,500
Health Care	13,800	13,900	13,900	14,000	13,900	14,100	14,000	14,000	14,079	14,107	14,400	14,400	14,000
Social Assistance	1,200	1,200	1,300	1,400	1,500	1,400	1,500	1,500	1,589	1,637	1,500	1,600	1,400
Leisure and Hospitality	12,000	12,100	12,300	12,200	12,200	12,500	12,200	12,100	12,296	12,318	12,300	12,300	12,200
Residual-Arts, Entertainment, and Recreation	1,900	1,900	1,900	1,900	1,900	2,000	1,900	1,900	1,929	1,932	1,900	1,800	1,900
Food Services and Drinking Places	10,100	10,200	10,400	10,300	10,300	10,500	10,300	10,200	10,368	10,386	10,400	10,500	10,300
Other Services	4,900	5,000	5,100	5,000	5,000	5,200	5,100	5,000	5,118	5,136	5,000	5,000	5,000
Government	23,600	23,700	24,200	24,500	24,800	24,500	23,200	23,500	23,893	23,869	24,000	24,200	24,000
Federal Government	1,200	1,200	1,300	1,400	1,800	1,600	1,400	1,400	1,611	1,655	1,300	1,300	1,400
State and Local Government	22,400	22,500	22,900	23,100	23,000	22,900	21,800	22,100	22,282	22,214	22,700	22,900	22,600
State Government	1,700	1,700	1,800	1,800	1,800	1,700	1,500	1,500	1,543	1,511	1,800	1,800	1,700
State Government Education	1,300	1,300	1,400	1,400	1,400	1,300	1,100	1,100	1,143	1,111	1,400	1,400	1,300
Other State Government	400	400	400	400	400	400	400	400	400	400	400	400	400
Local Government	20,700	20,800	21,100	21,300	21,200	21,200	20,300	20,600	20,739	20,704	20,900	21,100	20,900
Local Government Education	12,700	12,800	12,900	13,000	12,800	12,400	11,200	11,600	11,493	11,286	12,600	12,700	12,300
County	4,400	4,400	4,500	4,500	4,600	5,000	5,100	5,100	5,236	5,355	4,600	4,600	4,800
City	2,100	2,100	2,200	2,200	2,200	2,300	2,400	2,400	2,446	2,493	2,200	2,200	2,300
Other Local Government	1,500	1,500	1,500	1,600	1,600	1,500	1,600	1,500	1,564	1,570	1,500	1,600	1,500

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	153,800	155,500	156,900	157,800	162,400	169,400	169,400	176,900	172,300	166,600	164,000	160,500	163,800
Total Farm	10,100	10,500	10,600	11,400	14,300	18,300	17,200	19,300	17,100	15,500	12,900	11,400	14,100
Total Nonfarm	143,700	145,000	146,300	146,400	148,100	151,100	152,200	157,600	155,200	151,100	151,100	149,100	149,700
Total Private	120,100	121,000	121,900	121,800	123,500	126,800	129,000	133,600	130,700	124,600	124,100	124,700	125,200
Goods Producing	31,500	32,200	32,500	31,600	32,400	34,100	37,400	41,500	38,800	33,400	31,600	31,400	34,000
Natural Resources, Mining and Construction	10,000	10,500	10,900	10,700	11,100	11,500	11,500	11,800	11,600	11,200	10,700	10,500	11,000
Construction	10,000	10,500	10,900	10,700	11,100	11,500	11,500	11,800	11,600	11,200	10,700	10,500	11,000
Manufacturing	21,500	21,700	21,600	20,900	21,300	22,600	25,900	29,700	27,200	22,200	20,900	20,900	23,000
Durable Goods	8,300	8,300	8,300	8,100	8,300	8,400	8,200	8,300	8,200	7,900	7,800	7,800	8,200
Nondurable Goods	13,200	13,400	13,300	12,800	13,000	14,200	17,700	21,400	19,000	14,300	13,100	13,100	14,900
Food Manufacturing	10,200	10,600	10,400	10,000	10,200	11,400	14,900	18,600	16,200	11,400	10,200	10,200	12,000
Residual-Beverage and Tobacco Product Mfg	3,000	2,800	2,900	2,800	2,800	2,800	2,800	2,800	2,800	2,900	2,900	2,900	2,900
Service Providing	112,200	112,800	113,800	114,800	115,700	117,000	114,800	116,100	116,400	117,700	119,500	117,700	115,700
Trade, Transportation and Utilities	30,100	29,700	29,800	30,100	30,500	31,200	30,800	31,100	31,100	30,900	31,800	32,100	30,800
Wholesale Trade	5,300	5,300	5,300	5,300	5,400	5,500	5,500	5,600	5,500	5,300	5,200	5,200	5,400
Retail Trade	20,700	20,300	20,400	20,600	20,800	21,300	20,900	21,000	21,200	21,300	22,300	22,700	21,100
Food and Beverage Stores	4,500	4,500	4,600	4,700	4,800	4,900	4,800	4,800	4,900	5,000	5,200	5,200	4,800
Clothing and Clothing Accessories Stores	1,200	1,100	1,100	1,100	1,100	1,200	1,200	1,200	1,200	1,200	1,300	1,400	1,200
General Merchandise Stores	4,300	4,000	4,000	3,900	3,900	4,000	4,000	4,000	4,100	4,300	4,800	4,900	4,200
Residual-Miscellaneous Store Retailers	10,700	10,700	10,700	10,900	11,000	11,200	10,900	11,000	11,000	10,800	11,000	11,200	10,900
Transportation, Warehousing and Utilities	4,100	4,100	4,100	4,200	4,300	4,400	4,400	4,500	4,400	4,300	4,300	4,200	4,300
Information	2,200	2,300	2,200	2,300	2,300	2,300	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Financial Activities	5,400	5,400	5,500	5,400	5,400	5,500	5,400	5,400	5,400	5,400	5,500	5,500	5,400
Professional and Business Services	16,600	16,800	16,900	16,900	16,900	17,400	16,700	16,800	16,600	16,400	16,400	16,700	16,800
Professional, Scientific and Technical Services	4,100	4,100	4,100	4,200	4,000	4,200	4,100	4,100	4,100	4,100	4,300	4,300	4,100
Management of Companies and Enterprises	4,700	4,700	4,700	4,600	4,600	4,700	4,600	4,600	4,600	4,600	4,600	4,800	4,700
Administrative and Support and Waste Services	7,800	8,000	8,100	8,100	8,300	8,500	8,000	8,100	7,900	7,700	7,500	7,600	8,000
Employment Services	3,100	3,200	3,300	3,100	3,300	3,400	3,100	3,000	2,900	2,600	2,500	2,500	3,000
Residual-Waste Management and Remediation Services	4,700	4,800	4,800	5,000	5,000	5,100	4,900	5,100	5,000	5,100	5,000	5,100	5,000

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	16,200	16,300	16,400	17,000	17,300	17,400	17,400	17,400	17,400	17,200	17,400	17,300	17,100
Educational Services	900	900	900	900	1,000	900	900	900	800	900	1,000	900	900
Health Care and Social Assistance	15,300	15,400	15,500	16,100	16,300	16,500	16,500	16,500	16,600	16,300	16,400	16,400	16,200
Health Care	13,900	14,100	14,100	14,600	14,700	14,800	14,900	14,900	14,900	14,500	14,700	14,800	14,600
Social Assistance	1,400	1,300	1,400	1,500	1,600	1,700	1,600	1,600	1,700	1,800	1,700	1,600	1,600
Leisure and Hospitality	12,500	12,600	12,800	12,700	12,900	13,000	13,100	13,200	13,100	13,200	13,200	13,500	13,000
Residual-Arts, Entertainment, and Recreation	1,800	1,800	1,900	1,900	2,000	2,000	1,800	1,900	1,800	1,900	1,900	1,900	1,900
Food Services and Drinking Places	10,700	10,800	10,900	10,800	10,900	11,000	11,300	11,300	11,300	11,300	11,300	11,600	11,100
Other Services	5,600	5,700	5,800	5,800	5,800	5,900	6,000	6,000	6,100	5,900	6,000	6,000	5,900
Government	23,600	24,000	24,400	24,600	24,600	24,300	23,200	24,000	24,500	26,500	27,000	24,400	24,600
Federal Government	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
State and Local Government	22,400	22,800	23,200	23,400	23,400	23,100	22,000	22,800	23,300	25,300	25,800	23,200	23,400
State Government	1,700	1,700	1,800	1,800	1,800	1,800	1,600	1,700	1,600	1,900	1,900	2,000	1,800
State Government Education	1,300	1,300	1,400	1,400	1,400	1,400	1,200	1,200	1,200	1,500	1,500	1,600	1,400
Other State Government	400	400	400	400	400	400	400	500	400	400	400	400	400
Local Government	20,700	21,100	21,400	21,600	21,600	21,300	20,400	21,100	21,700	23,400	23,900	21,200	21,600
Local Government Education	12,500	12,700	12,900	12,900	12,800	12,200	10,900	11,500	12,700	14,300	14,900	12,100	12,700
County	4,600	4,700	4,800	4,800	4,900	5,200	5,600	5,600	5,100	5,100	5,100	5,100	5,100
City	2,200	2,200	2,200	2,300	2,300	2,300	2,400	2,400	2,300	2,400	2,300	2,200	2,300
Other Local Government	1,400	1,500	1,500	1,600	1,600	1,600	1,500	1,600	1,600	1,600	1,600	1,800	1,600

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	155,400	156,000	158,700	159,600	162,500	168,700	171,100	176,300	175,300	169,100	167,100	165,100	165,400
Total Farm	9,700	10,300	11,100	11,600	13,800	17,600	17,000	19,500	18,100	16,000	13,400	11,800	14,200
Total Nonfarm	145,700	145,700	147,600	148,000	148,700	151,100	154,100	156,800	157,200	153,100	153,700	153,300	151,300
Total Private	120,400	120,700	122,200	122,500	123,300	125,100	129,600	132,700	132,200	127,700	127,700	127,900	126,000
Goods Producing	29,800	30,100	30,400	30,600	30,900	31,800	36,900	39,200	38,300	33,800	32,900	32,400	33,100
Natural Resources, Mining and Construction	9,700	9,800	10,000	10,400	10,600	10,700	11,200	11,200	11,100	11,200	11,100	10,700	10,600
Construction	9,700	9,800	10,000	10,400	10,600	10,700	11,200	11,200	11,100	11,200	11,100	10,700	10,600
Manufacturing	20,100	20,300	20,400	20,200	20,300	21,100	25,700	28,000	27,200	22,600	21,800	21,700	22,500
Durable Goods	7,700	7,600	7,600	7,600	7,900	7,900	7,900	7,900	7,800	7,900	7,700	7,700	7,800
Nondurable Goods	12,400	12,700	12,800	12,600	12,400	13,200	17,800	20,100	19,400	14,700	14,100	14,000	14,700
Food Manufacturing	9,600	9,900	10,000	10,000	9,700	10,500	15,600	17,900	17,200	12,500	12,000	11,900	12,200
Residual-Beverage and Tobacco Product Mfg	2,800	2,800	2,800	2,600	2,700	2,700	2,200	2,200	2,200	2,200	2,100	2,100	2,500
Service Providing	115,900	115,600	117,200	117,400	117,800	119,300	117,200	117,600	118,900	119,300	120,800	120,900	118,200
Trade, Transportation and Utilities	30,800	30,400	30,900	31,000	31,100	31,600	31,500	31,800	32,100	32,200	33,300	33,300	31,700
Wholesale Trade	5,300	5,300	5,400	5,600	5,600	5,700	5,700	5,800	5,800	5,800	5,800	5,800	5,600
Retail Trade	21,200	20,800	21,200	21,100	21,100	21,400	21,400	21,400	21,600	21,900	23,000	23,100	21,600
Food and Beverage Stores	4,900	4,900	4,900	4,700	4,700	4,700	4,900	4,900	4,900	4,900	5,000	4,900	4,900
Clothing and Clothing Accessories Stores	1,300	1,200	1,300	1,400	1,400	1,400	1,400	1,500	1,500	1,600	1,500	1,500	1,400
General Merchandise Stores	4,200	3,900	4,000	3,900	4,000	4,000	4,000	4,000	4,200	4,300	4,800	4,900	4,200
Residual-Miscellaneous Store Retailers	10,800	10,800	11,000	11,100	11,000	11,300	11,100	11,000	11,000	11,100	11,700	11,800	11,100
Transportation, Warehousing and Utilities	4,300	4,300	4,300	4,300	4,400	4,500	4,400	4,600	4,700	4,500	4,500	4,400	4,400
Information	2,000	2,000	2,000	2,000	2,000	1,900	1,900	1,900	1,900	1,800	1,800	1,800	1,900
Financial Activities	5,400	5,400	5,400	5,400	5,500	5,600	5,500	5,500	5,600	5,700	5,700	5,700	5,500
Professional and Business Services	15,900	15,900	16,100	15,700	15,700	15,900	16,000	16,400	16,200	16,200	16,200	16,300	16,000
Professional, Scientific and Technical Services	4,300	4,300	4,400	4,200	4,000	4,200	4,200	4,300	4,200	4,500	4,500	4,400	4,300
Management of Companies and Enterprises	4,600	4,500	4,600	4,400	4,400	4,400	4,400	4,500	4,500	4,500	4,500	4,700	4,500
Administrative and Support and Waste Services	7,000	7,100	7,100	7,100	7,300	7,300	7,400	7,600	7,500	7,200	7,200	7,200	7,300
Employment Services	2,200	2,200	2,300	2,200	2,300	2,300	2,400	2,500	2,400	2,400	2,300	2,200	2,300
Residual-Waste Management and Remediation Services	4,800	4,900	4,800	4,900	5,000	5,000	5,000	5,100	5,100	4,800	4,900	5,000	4,900

\*March 2002 Benchmark figures.

**Stanislaus County**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	17,200	17,500	17,600	18,000	18,100	18,100	17,600	17,700	17,700	17,800	17,700	18,100	17,800
Educational Services	800	900	900	800	800	700	600	600	700	600	500	800	700
Health Care and Social Assistance	16,400	16,600	16,700	17,200	17,300	17,400	17,000	17,100	17,000	17,200	17,200	17,300	17,000
Health Care	14,700	14,900	14,900	15,300	15,400	15,400	15,000	15,100	15,100	15,300	15,200	15,300	15,100
Social Assistance	1,700	1,700	1,800	1,900	1,900	2,000	2,000	2,000	1,900	1,900	2,000	2,000	1,900
Leisure and Hospitality	13,300	13,400	13,600	13,700	13,800	13,900	13,800	13,800	14,000	13,900	13,800	14,000	13,800
Residual-Arts, Entertainment, and Recreation	1,900	1,900	2,100	2,200	2,300	2,300	2,200	2,200	2,300	2,400	2,400	2,400	2,200
Food Services and Drinking Places	11,400	11,500	11,500	11,500	11,500	11,600	11,600	11,600	11,700	11,500	11,400	11,600	11,500
Other Services	6,000	6,000	6,200	6,100	6,200	6,300	6,400	6,400	6,400	6,300	6,300	6,300	6,200
Government	25,300	25,000	25,400	25,500	25,400	26,000	24,500	24,100	25,000	25,400	26,000	25,400	25,300
Federal Government	1,200	1,200	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,300	1,300	1,200
State and Local Government	24,100	23,800	24,200	24,400	24,200	24,800	23,300	22,900	23,800	24,200	24,700	24,100	24,000
State Government	1,800	1,700	1,900	1,900	1,900	1,900	1,700	1,700	1,700	2,000	2,100	2,100	1,900
State Government Education	1,400	1,300	1,500	1,500	1,500	1,500	1,200	1,200	1,200	1,500	1,600	1,600	1,400
Other State Government	400	400	400	400	400	400	500	500	500	500	500	500	500
Local Government	22,300	22,100	22,300	22,500	22,300	22,900	21,600	21,200	22,100	22,200	22,600	22,000	22,200
Local Government Education	13,200	13,300	13,400	13,500	13,300	13,300	12,200	11,800	13,200	13,600	14,100	13,500	13,200
County	5,200	4,900	5,000	5,000	5,000	5,500	5,400	5,400	5,000	4,900	4,800	4,800	5,100
City	2,300	2,300	2,300	2,400	2,400	2,500	2,400	2,400	2,300	2,300	2,300	2,300	2,400
Other Local Government	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,400	1,400	1,400	1,600

\*March 2002 Benchmark figures.



**Module D:**

# **Projections**

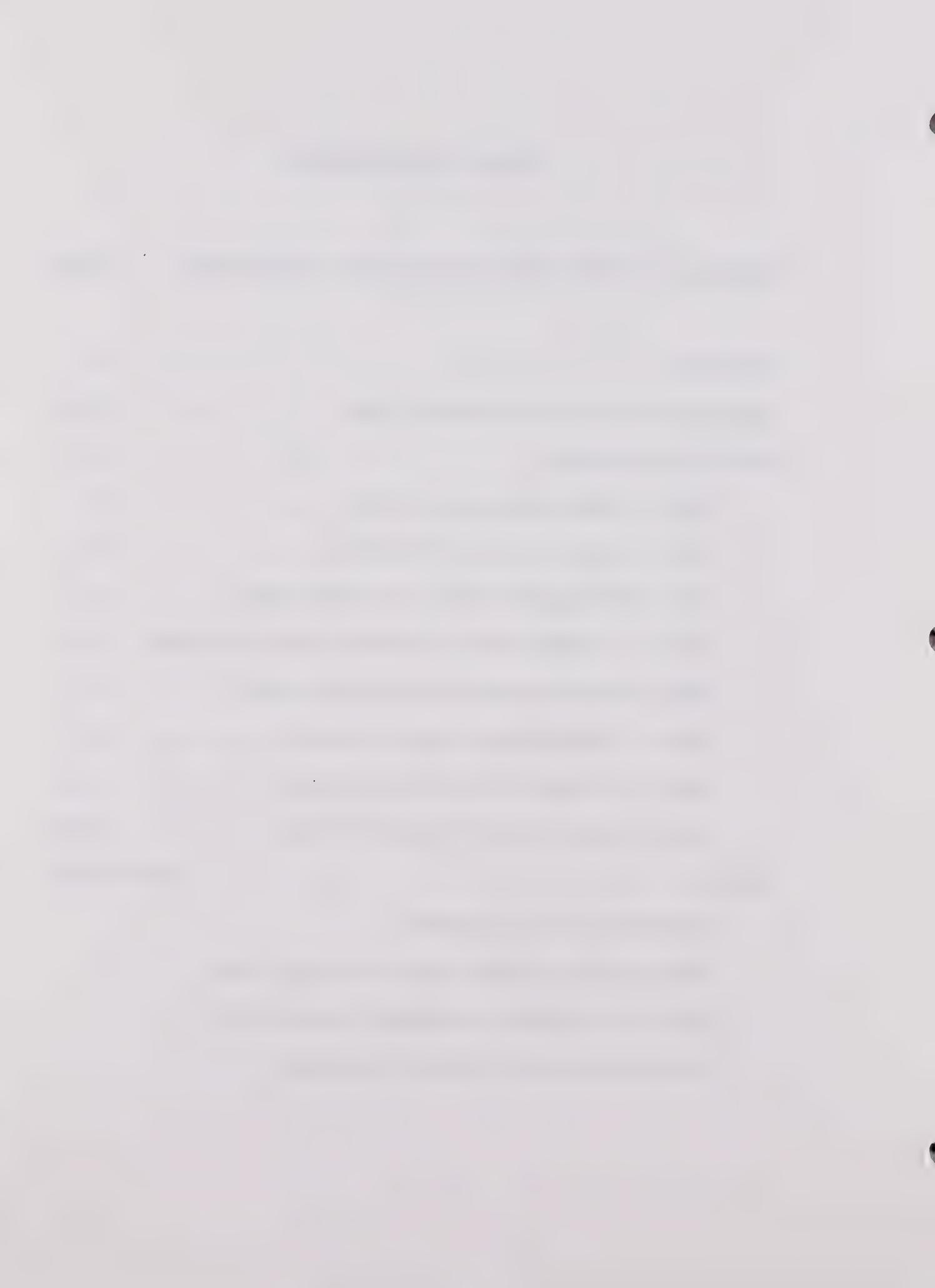
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Projection Methods and Economic Assumptions	



# INTRODUCTION

## to Industry and Occupational Projections

### Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

**Remember that these data are estimates.** They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

**Do not use these projections as your sole source of information.** Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

**Projections employment data are annual averages.** These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

**Employment levels stated reflect workers who are covered by the Unemployment Insurance program.** As a result, industries that are made up largely of individuals who are

self-employed will be understated. Examples include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

### Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

#### Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

### **Occupational Projections**

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the

very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

### **Additional Sources of Information**

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles

- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

### **Automated Access**

Electronic access to current data is available through the Employment Development Department's Internet address at:

**<http://www.calmis.ca.gov>**

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

# Description Of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

*Agriculture, Forestry, and Fishing (SIC 01-09)* includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

*Mining (SIC 10-14)* includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

*Construction (SIC 15-17)* includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

*Manufacturing (SIC 20-39)* includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

*Transportation and Public Utilities (SIC 40-49)* includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

*Wholesale Trade (SIC 50-51)* includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

*Retail Trade (SIC 52-59)* includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

*Finance, Insurance, and Real Estate (SIC 60-67)* includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

*Services (SIC 70-89)* includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

*Government* includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

## Industry Tables

### Employment By Major Industry -Table 1

This table shows 1997 estimated employment and 2004 projected employment along with the percentage of total employment for each major industry division.

### Employment By Industry - Table 2

This table shows employment and projected employment by industry. The number of jobs is estimated for 1997 and projected for 2004. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1997 and 2004. The "Percent Change" column is the growth rate over the seven-year period.

**Occupational groups** are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

**Managers And Administrative** occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

**Professional, Paraprofessional, And Technical** occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

**Sales And Related** occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

**Clerical And Administrative Support** occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

**Service Occupations** prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

**Agricultural, Forestry, And Fishing** occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

**Production, Construction, Operating, Maintenance, and Material Handling** are skilled, semi-skilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

## Occupational Tables

### Employment By Major Occupational Group - Table 3

This table shows 1997 and 2004 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

### **Occupations With The Greatest Absolute Job Growth - Table 4**

This table lists the 50 occupations that are projected to register the largest absolute change between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1997-2004 period.

### **Occupations With The Fastest Job Growth - Table 5**

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

### **Occupational Employment Projections - Table 6**

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1997 and 2004. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed

table. The same line numbers are used in all area reports for 1997-2004. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

### **Occupations With The Most Openings – Table 7 (Growth Plus Separations)**

This table lists the occupations that are projected to register the largest absolute growth and separations between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1997-2004 period.

### **Occupations With Projected Decline – Table 8**

This table lists the occupations that are projected to decline over the 1997-2004 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

# Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

**1. First professional degree.** Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

**2. Doctoral degree.** Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

**3. Master's degree.** Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

**4. Bachelor's or higher and some work experience.** Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

**5. Bachelor's degree.** Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

**6. Associate degree.** Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

**7. Post-secondary vocational education.** Occupations that require completion of vocational school training.

**8. Work experience.** Occupations that require skills obtained through work experience in a related occupation.

**9. Long-term on-the-job training.** Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

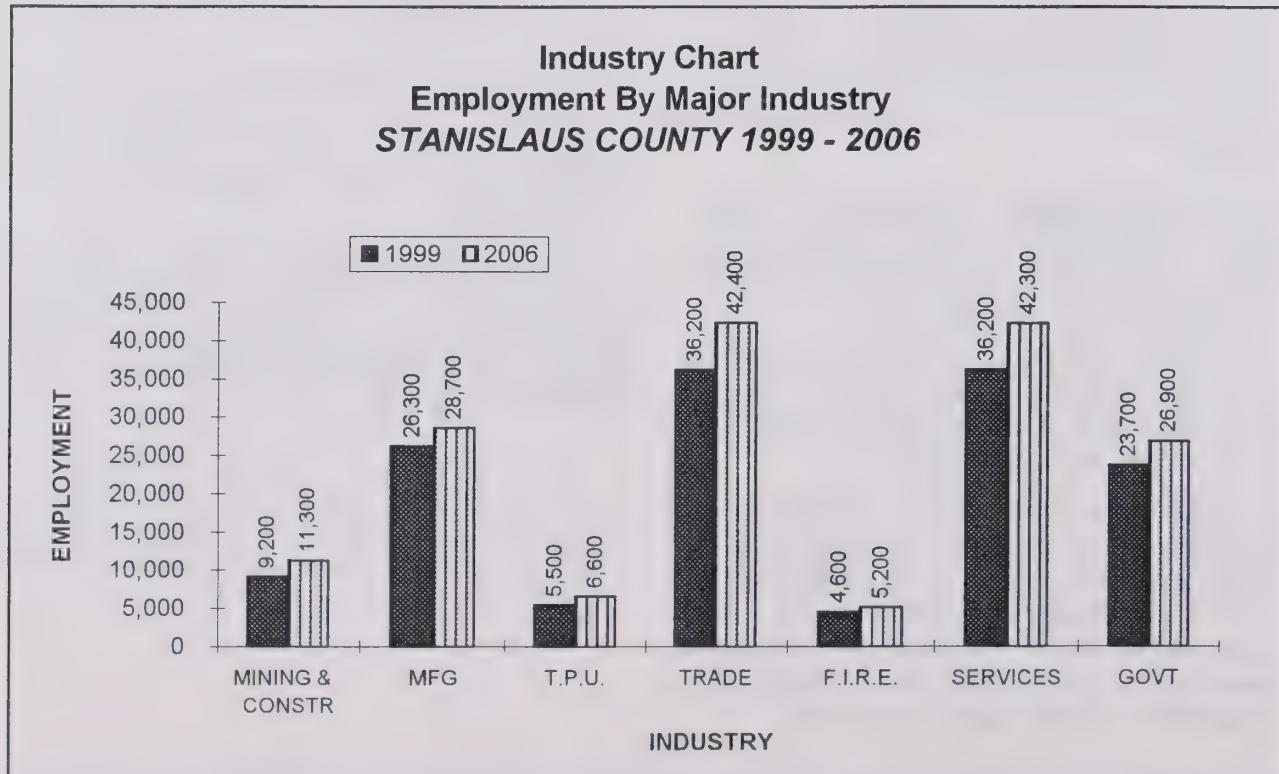
**10. Moderate-term on-the-job training.** Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

**11. Short-term on-the-job-training.** Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

**Table 1**  
**Employment By Major Industry (1)**  
**1999 - 2006 Annual Averages**  
**STANISLAUS COUNTY**

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	141,700	100.0%	163,500	100.0%
CONSTRUCTION	9,200	6.5%	11,300	6.9%
MANUFACTURING	26,300	18.6%	28,700	17.6%
TRANSPORTATION & PUBLIC UTILITIES	5,500	3.9%	6,600	4.0%
TRADE	36,200	25.5%	42,400	25.9%
FINANCE, INSURANCE, & REAL ESTATE	4,600	3.2%	5,200	3.2%
SERVICES	36,200	25.5%	42,300	25.9%
GOVERNMENT	23,700	16.7%	26,900	16.5%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.



**Table 2**  
**Industry Employment Projections (1)**  
**1999-2006**  
**STANISLAUS COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
<b>TOTAL NONFARM</b>	<b>10-99(ex88) 074,075,078</b>	<b>141,700</b>	<b>163,500</b>	<b>21,800</b>	<b>15.4</b>
<b>GOODS PRODUCING</b>	<b>10-39</b>	<b>35,500</b>	<b>40,000</b>	<b>4,500</b>	<b>12.7</b>
<b>CONSTRUCTION</b>	<b>15-17</b>	<b>9,200</b>	<b>11,300</b>	<b>2,100</b>	<b>22.8</b>
<b>MANUFACTURING</b>	<b>20-39</b>	<b>26,300</b>	<b>28,700</b>	<b>2,400</b>	<b>9.1</b>
Durable Goods		7,900	9,300	1,400	17.7
Lumber, Wood, & Furniture	24,25	1,400	1,700	300	21.4
Stone, Clay, & Glass	32	1,200	1,300	100	8.3
Primary & Fabricated Metals	33,34	2,400	3,000	600	25.0
Industrial Machinery	35	1,500	1,300	-200	-13.3
Other Durable Goods		1,400	2,000	600	42.9
Nondurable Goods	20-23,26-31	18,400	19,400	1,000	5.4
Food and Kindred Products	20	15,000	15,900	900	6.0
Canned, Cured, & Frozen Food	20,32,209	5,400	6,000	600	11.1
Other Food & Kindred Products	20X	9,600	9,900	300	3.1
Other Nondurable Goods		3,400	3,500	100	2.9
<b>SERVICE PRODUCING</b>		<b>106,200</b>	<b>123,400</b>	<b>17,200</b>	<b>16.2</b>
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>40-42,44-49</b>	<b>5,500</b>	<b>6,600</b>	<b>1,100</b>	<b>20.0</b>
Transportation	40-42,44-47	4,400	5,100	700	15.9
Trucking & Warehousing	42	2,900	3,300	400	13.8
Other Transportation		1,400	1,800	400	28.6
Communications and Public Utilities	48,49	1,200	1,500	300	25.0
<b>TRADE</b>		<b>36,200</b>	<b>42,400</b>	<b>6,200</b>	<b>17.1</b>
Wholesale Trade	50,51	7,300	7,800	500	6.8
Wholesale Durable	50	3,200	3,700	500	15.6
Wholesale Nondurable	51	4,100	4,100	0	0.0
Retail Trade	52-59	28,900	34,600	5,700	19.7
General Merchandise	53	3,900	4,700	800	20.5
Food Stores	54	4,600	5,500	900	19.6
Eating and Drinking Places	58	9,800	12,000	2,200	22.4
Other Retail Trade		10,500	12,400	1,900	18.1
<b>FINANCE, INSURANCE, &amp; REAL ESTATE</b>	<b>60-65,67</b>	<b>4,600</b>	<b>5,200</b>	<b>600</b>	<b>13.0</b>
Finance	60-62,67	2,300	2,400	100	4.3
Other Finance, Insurance, & Real Estate		2,300	2,800	500	21.7
<b>SERVICES</b>	<b>70-89 074,075,078</b>	<b>36,200</b>	<b>42,300</b>	<b>6,100</b>	<b>16.9</b>
Business Services	73	6,700	9,900	3,200	47.8
Health Services	80	13,300	14,000	700	5.3
Other Services		16,200	18,400	2,200	13.6

**Table 2**  
**Industry Employment Projections (1)**  
**1999-2006**  
**STANISLAUS COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
<b>GOVERNMENT</b>		<b>23,700</b>	<b>26,900</b>	<b>3,200</b>	<b>13.5</b>
Federal Government		1,200	1,200	0	0.0
State and Local Government		22,500	25,700	3,200	14.2
State Government		1,600	2,000	400	25.0
State Education		1,200	1,600	400	33.3
Other State Government		400	400	0	0.0
Local Government		20,900	23,700	2,800	13.4
Local Education		12,800	14,600	1,800	14.1
Local Noneducation		8,100	9,100	1,000	12.3

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations).

Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

(2) March 2000 benchmark.

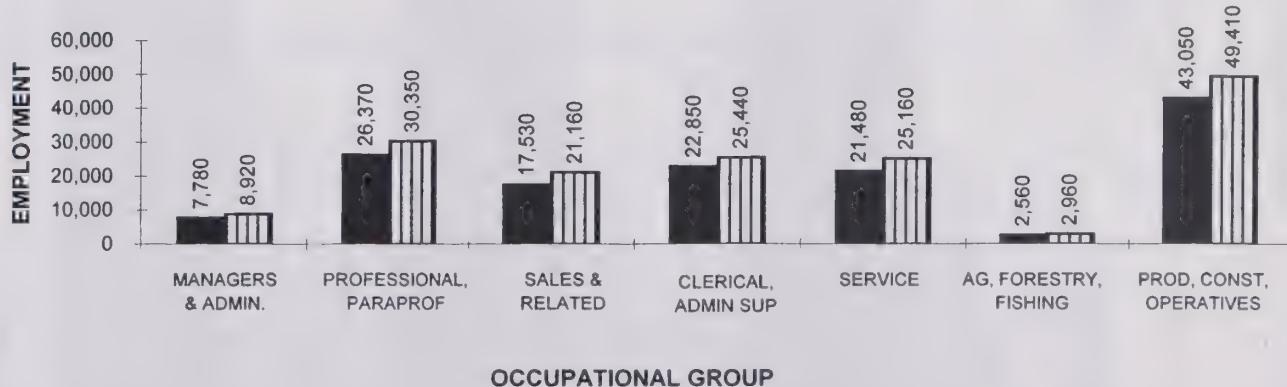
**Table 3**  
**Employment by Major Occupational Group**  
**1999 - 2006 Annual Averages**  
**STANISLAUS COUNTY**

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	141,700	100.0%	163,500	100.0%	21,800	15.4%
MANAGERS AND ADMIN OCCUPATIONS	7,780	5.5%	8,920	5.5%	1,140	14.7%
PROFESSIONAL, PARAPROF, TECHNICAL	26,370	18.6%	30,350	18.6%	3,980	15.1%
SALES AND RELATED OCCUPATIONS	17,530	12.4%	21,160	12.9%	3,630	20.7%
CLERICAL, ADMINISTRATIVE SUPPORT	22,850	16.1%	25,440	15.6%	2,590	11.3%
SERVICE OCCUPATIONS	21,480	15.2%	25,160	15.4%	3,680	17.1%
AGRICULTURAL, FORESTRY, FISHING	2,560	1.8%	2,960	1.8%	400	15.6%
PROD, CONST, OPER, MAT HANDLING	43,050	30.4%	49,410	30.2%	6,360	14.8%

(1) Total is based on the March 2000 benchmark.

**Occupational Chart**  
**Employment by Major Occupational Group**  
**STANISLAUS COUNTY 1999 - 2006**

■ 1999 □ 2006



**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	5,280	6,420	1,140	21.6	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	3,870	4,810	940	24.3	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	3,200	3,810	610	19.1	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	2,580	3,110	530	20.5	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	3,320	3,830	510	15.4	4	WORK EXP. PLUS A BACHELOR'S OR HIGHER
97105	TRUCK DRIVERS, LIGHT	2,160	2,620	460	21.3	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	1,550	1,960	410	26.5	6	ASSOCIATE DEGREE
65008	WAITERS AND WAITRESSES	1,910	2,310	400	20.9	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	2,350	2,730	380	16.2	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	3,220	3,580	360	11.2	5	BACHELOR'S DEGREE
93956	ASSEMBL. FABRICATORS--EX MACH. ELECTRIC	1,130	1,430	300	26.5	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS LANDSCAPING/GROUNDSKEEPING	1,620	1,910	290	17.9	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	1,200	1,470	270	22.5	9	LONG-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	1,160	1,420	260	22.4	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	940	1,190	250	26.6	9	LONG-TERM ON-THE-JOB TRAINING
92974	PACKAGING, FILLING MACH OPS, TNDRS	2,630	2,850	220	8.4	10	MODERATE-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	2,190	2,400	210	9.6	6	ASSOCIATE DEGREE
49021	STOCK CLERKS--SALES FLOOR	1,700	1,910	210	12.4	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	700	910	210	30.0	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	1,610	1,820	210	13.0	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	1,790	2,000	210	11.7	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	740	940	200	27.0	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	990	1,180	190	19.2	5	BACHELOR'S DEGREE
55305	RECEPTIONISTS, INFORMATION CLERKS	1,910	2,100	190	9.9	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	990	1,180	190	19.2	11	SHORT-TERM ON-THE-JOB TRAINING
55321	FILE CLERKS	770	940	170	22.1	11	SHORT-TERM ON-THE-JOB TRAINING
93938	MEAT, POULTRY, FISH CUTTERS--HAND	1,430	1,600	170	11.9	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	1,030	1,190	160	15.5	9	LONG-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	2,290	2,440	150	6.6	7	POST-SECONDARY VOCATIONAL EDUCATION
87202	ELECTRICIANS	760	910	150	19.7	9	LONG-TERM ON-THE-JOB TRAINING

**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
31311	TEACHERS--SPECIAL EDUCATION	510	650	140	27.5	5	BACHELOR'S DEGREE
66008	NURSE AIDS, ORDERLIES, ATTENDANTS	1,500	1,640	140	9.3	11	SHORT-TERM ON-THE-JOB TRAINING
93914	WELDERS AND CUTTERS	630	770	140	22.2	7	POST-SECONDARY VOCATIONAL EDUCATION
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	1,020	1,150	130	12.7	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	550	680	130	23.6	9	LONG-TERM ON-THE-JOB TRAINING
85110	MACHINERY MAINTENANCE MECHANICS	690	820	130	18.8	9	LONG-TERM ON-THE-JOB TRAINING
87108	DRYWALL INSTALLERS	540	670	130	24.1	10	MODERATE-TERM ON-THE-JOB TRAINING
98905	VEHICLE WASHERS, EQUIP CLEANERS	840	970	130	15.5	11	SHORT-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	2,370	2,490	120	5.1	10	MODERATE-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	500	620	120	24.0	8	WORK EXPERIENCE
49026	TELEMARKETERS, SOLICITORS & RELATED	260	370	110	42.3	11	SHORT-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK, TRACTOR OPERATORS	900	1,010	110	12.2	11	SHORT-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	450	550	100	22.2	11	SHORT-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	850	950	100	11.8	8	WORK EXPERIENCE
85132	MAINT REPAIRERS, GENL UTILITY	1,050	1,150	100	9.5	9	LONG-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	980	1,070	90	9.2	10	MODERATE-TERM ON-THE-JOB TRAINING
56017	DATA ENTRY KEYERS--EX COMPOSING	430	520	90	20.9	7	POST-SECONDARY VOCATIONAL EDUCATION
13002	FINANCIAL MANAGERS	660	740	80	12.1	4	WORK EXP, PLUS A BACHELOR'S OR HIGHER
15026	FOOD SERVICE AND LODGING MANAGERS	380	460	80	21.1	8	WORK EXPERIENCE
32508	EMERGENCY MEDICAL TECHNICIANS	320	400	80	25.0	7	POST-SECONDARY VOCATIONAL EDUCATION
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>72,450</b>	<b>84,650</b>	<b>12,200</b>	<b>16.8</b>		

(1) Excludes not elsewhere classified (NEC) categories

(2) March 2000 Benchmark

**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSOR	130	200	70	53.8	5	BACHELOR'S DEGREE
93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	130	190	60	46.2	11	SHORT-TERM ON-THE-JOB TRAINING
31212	HEALTH ASSESS & TREAT TEACHERS, POS	110	160	50	45.5	2	DOCTORAL DEGREE
28305	PARALEGAL PERSONNEL	90	130	40	44.4	6	ASSOCIATE DEGREE
67008	PEST CONTROLLERS AND ASSISTANTS	90	130	40	44.4	10	MODERATE-TERM ON-THE-JOB TRAINING
97923	EXCAVATING, LOADING MACHINE OPS	70	100	30	42.9	10	MODERATE-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	260	370	110	42.3	11	SHORT-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	100	140	40	40.0	5	BACHELOR'S DEGREE
85702	TELEPHONE, CABLE TV INSTALLERS	200	270	70	35.0	9	LONG-TERM ON-THE-JOB TRAINING
32302	RESPIRATORY CARE PRACTITIONERS	150	200	50	33.3	6	ASSOCIATE DEGREE
43017	SALES AGENTS--SEL BUS SERVICES	120	160	40	33.3	10	MODERATE-TERM ON-THE-JOB TRAINING
87805	SHEET METAL DUCT INSTALLERS	120	160	40	33.3	10	MODERATE-TERM ON-THE-JOB TRAINING
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	190	250	60	31.6	3	MASTER'S DEGREE
87317	PLASTERERS AND STUCCO MASONS	130	170	40	30.8	9	LONG-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	700	910	210	30.0	11	SHORT-TERM ON-THE-JOB TRAINING
85902	HEATING, AC, REFRIG MECHANICS	200	260	60	30.0	9	LONG-TERM ON-THE-JOB TRAINING
24105	CHEMISTS, EXCEPT BIOCHEMISTS	100	130	30	30.0	5	BACHELOR'S DEGREE
63011	POLICE DETECTIVES	100	130	30	30.0	8	WORK EXPERIENCE
43021	TRAVEL AGENTS	140	180	40	28.6	7	POST-SECONDARY VOCATIONAL EDUCATION
31311	TEACHERS--SPECIAL EDUCATION	510	650	140	27.5	5	BACHELOR'S DEGREE
89311	CABINETMAKERS AND BENCH CARPENTERS	110	140	30	27.3	9	LONG-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	740	940	200	27.0	11	SHORT-TERM ON-THE-JOB TRAINING
65021	BAKERS--BREAD AND PASTRY	260	330	70	26.9	10	MODERATE-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	940	1,190	250	26.6	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	1,550	1,960	410	26.5	6	ASSOCIATE DEGREE
93956	ASSEMB, FABRICATORS--EX MACH,ELECTRICAL	1,130	1,430	300	26.5	11	SHORT-TERM ON-THE-JOB TRAINING
43002	SALES AGENTS, PLACERS--INSURANCE	190	240	50	26.3	9	LONG-TERM ON-THE-JOB TRAINING
65035	COOKS--SHORT ORDER	310	390	80	25.8	11	SHORT-TERM ON-THE-JOB TRAINING
32508	EMERGENCY MEDICAL TECHNICIANS	320	400	80	25.0	7	POST-SECONDARY VOCATIONAL EDUCATION
13017	ENGINEER, MATH, AND NAT SCI MGRS	240	300	60	25.0	4	WORK EXP, PLUS A BACHELOR'S OR HIGHER

**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
15011	PROPERTY AND REAL ESTATE MANAGERS	200	250	50	25.0	5	BACHELOR'S DEGREE
15017	CONSTRUCTION MANAGERS	200	250	50	25.0	5	BACHELOR'S DEGREE
53314	INSURANCE POLICY PROCESSING CLERKS	200	250	50	25.0	10	MODERATE-TERM ON-THE-JOB TRAINING
65002	HOSTS, HOSTesses--RESTAURANTS	200	250	50	25.0	11	SHORT-TERM ON-THE-JOB TRAINING
87602	CARPET INSTALLERS	120	150	30	25.0	10	MODERATE-TERM ON-THE-JOB TRAINING
27505	DIRECTORS--RELIG ACTIVITIES, EDUC	80	100	20	25.0	5	BACHELOR'S DEGREE
91714	METAL FABRICATOR, STRUCT MET PRODS	80	100	20	25.0	10	MODERATE-TERM ON-THE-JOB TRAINING
97938	GRADER, DOZER, SCRAPER OPERATORS	80	100	20	25.0	10	MODERATE-TERM ON-THE-JOB TRAINING
49023	CASHIERS	3,870	4,810	940	24.3	11	SHORT-TERM ON-THE-JOB TRAINING
87111	TAPERS	330	410	80	24.2	10	MODERATE-TERM ON-THE-JOB TRAINING
87108	DRYWALL INSTALLERS	540	670	130	24.1	10	MODERATE-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	290	360	70	24.1	11	SHORT-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	500	620	120	24.0	8	WORK EXPERIENCE
55335	CUSTOMER SERVICE REPS--UTILITIES	210	260	50	23.8	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	550	680	130	23.6	9	LONG-TERM ON-THE-JOB TRAINING
32511	PHYSICIAN'S ASSISTANTS	170	210	40	23.5	5	BACHELOR'S DEGREE
68035	PERSONAL AND HOME CARE AIDES	130	160	30	23.1	11	SHORT-TERM ON-THE-JOB TRAINING
87708	PAVING, TAMPING-EQUIP OPERATORS	130	160	30	23.1	10	MODERATE-TERM ON-THE-JOB TRAINING
21902	COST ESTIMATORS	220	270	50	22.7	8	WORK EXPERIENCE
87102	CARPENTERS	1,200	1,470	270	22.5	9	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		18,730	23,740	5,010	26.7		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 100 in 2006.

(2) March 2000 Benchmark

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
1		TOTAL, ALL OCCUPATIONS	141,700	163,500	21,800	15.4	26,770		
2	10000	MGRS AND ADMIN OCCUPATIONS	7,780	8,920	1,140	14.7	1,020		
3	13002	FINANCIAL MANAGERS	660	740	80	12.1	80	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	170	190	20	11.8	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	180	200	20	11.1	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTNG, ADV, PUB-REL MANAGERS	320	370	50	15.6	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	260	290	30	11.5	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	240	300	60	25.0	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	460	520	60	13.0	80	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	190	210	20	10.5	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	200	250	50	25.0	20	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	280	310	30	10.7	40	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	200	250	50	25.0	30	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	120	140	20	16.7	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	380	460	80	21.1	50	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	60	60	0	0.0	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	3,320	3,830	510	15.4	430	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	740	800	60	8.1	90	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	26,370	30,350	3,980	15.1	3,880		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	2,790	3,220	430	15.4	390		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	1,170	1,340	170	14.5	150		
28	21108	LOAN OFFICERS AND COUNSELORS	190	210	20	10.5	30	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	80	90	10	12.5	10	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	650	720	70	10.8	70	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	30	30	0	0.0	0	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	220	290	70	31.8	40	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	310	350	40	12.9	60		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	110	120	10	9.1	20	5	BACHELOR'S DEGREE
35	21305	PURCH AGTS AND BUYERS--FARM PRODS	50	50	0	0.0	10	8	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	150	180	30	20.0	30	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	260	290	30	11.5	50		
39	21505	SPECIAL AGENTS--INSURANCE	30	30	0	0.0	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	70	80	10	14.3	10	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	160	180	20	12.5	30	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	1,050	1,240	190	18.1	130		
43	21902	COST ESTIMATORS	220	270	50	22.7	20	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	40	60	20	50.0	0	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	110	120	10	9.1	20	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	150	160	10	6.7	20	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	30	30	0	0.0	0	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	500	600	100	20.0	70	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	1,080	1,210	130	12.0	180		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
52	22100	ENGINEERS	360	420	60	16.7	50		
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	100	110	10	10.0	10	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	70	90	20	28.6	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	80	90	10	12.5	10	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	110	130	20	18.2	20	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	60	60	0	0.0	10		
72	22311	SURVEYING AND MAPPING SCIENTISTS	60	60	0	0.0	10	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	660	730	70	10.6	120		
74	22502	CIVIL ENGINEERING TECHNICIANS	100	120	20	20.0	20	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	140	160	20	14.3	20	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	30	30	0	0.0	10	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	230	250	20	8.7	40	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	40	40	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	120	130	10	8.3	20	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	500	560	60	12.0	90		
83	24100	PHYSICAL SCIENTISTS	100	130	30	30.0	20		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	100	130	30	30.0	20	5	BACHELOR'S DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	400	430	30	7.5	70		
96	24502	BIOLOGICAL,AGRI, FOOD TECHS	230	250	20	8.7	40	6	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	40	50	10	25.0	10	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	130	130	0	0.0	20	6	ASSOCIATE DEGREE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
101	25000	COMPUTER, MATH, OPS RESRCH, RELATED	350	480	130	37.1	40		
102	25100	COMPUTER SCIENTISTS AND RELATED	350	480	130	37.1	40		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	130	200	70	53.8	10	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	30	30	0	0.0	0	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	100	140	40	40.0	10	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	90	110	20	22.2	20	5	BACHELOR'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	1,420	1,630	210	14.8	220		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNRS	100	120	20	20.0	20		
121	27105	URBAN AND REGIONAL PLANNERS	50	60	10	20.0	10	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	50	60	10	20.0	10	3	MASTER'S DEGREE
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	1,040	1,190	150	14.4	170		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	120	140	20	16.7	10	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	230	270	40	17.4	20	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	270	310	40	14.8	50	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	70	90	20	28.6	20	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	350	380	30	8.6	70	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	280	320	40	14.3	30		
131	27502	CLERGY	170	190	20	11.8	20	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	80	100	20	25.0	10	5	BACHELOR'S DEGREE
133	27599	RELIGIOUS WORKERS, NEC	30	30	0	0.0	0	5	BACHELOR'S DEGREE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
134	28000	LAW AND RELATED OCCUPATIONS	390	480	90	23.1	40		
135	28100	LAWYERS AND RELATED WORKERS	270	300	30	11.1	30		
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	70	70	0	0.0	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	200	230	30	15.0	20	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	120	180	60	50.0	10		
141	28305	PARALEGAL PERSONNEL	90	130	40	44.4	10	6	ASSOCIATE DEGREE
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	30	50	20	66.7	0	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	10,180	11,880	1,700	16.7	1,510		
146	31100	POSTSECONDARY TEACHERS	1,130	1,390	260	23.0	270		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	50	50	0	0.0	10	3	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	30	40	10	33.3	10	3	MASTER'S DEGREE
150	31201	AGRIC SCIENCES TEACHERS, POSTSECOND	30	30	0	0.0	10	2	DOCTORAL DEGREE
151	31202	LIFE SCIENCES TEACHERS, POSTSECOND	90	110	20	22.2	20	2	DOCTORAL DEGREE
154	31209	PHYSICAL SCIENCE TEACHERS, POSTSEC	70	80	10	14.3	20	2	DOCTORAL DEGREE
156	31212	HEALTH ASSESS & TREAT TEACHERS, POST	110	160	50	45.5	30	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTSEC	30	40	10	33.3	10	2	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTSEC	30	40	10	33.3	10	2	DOCTORAL DEGREE
161	31222	ENGINEERING TEACHERS, POSTSECONDARY	190	230	40	21.1	40	2	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	50	60	10	20.0	10	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	80	90	10	12.5	20	2	DOCTORAL DEGREE
178	31252	EDUCATION TEACHERS, POSTSECONDARY	30	40	10	33.3	10	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	340	420	80	23.5	70	2	DOCTORAL DEGREE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
184	31300	OTHER TEACHERS AND INSTRUCTORS	7,290	8,290	1,000	13.7	1,060		
185	31303	TEACHERS, PRESCHOOL	450	520	70	15.6	70	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	340	380	40	11.8	50	5	BACHELOR'S DEGREE
187	31305	TEACHERS-ELEMENTARY SCHOOL	3,220	3,580	360	11.2	540	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	990	1,180	190	19.2	240	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	510	650	140	27.5	30	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	180	210	30	16.7	10	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	310	360	50	16.1	20	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	320	370	50	15.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	970	1,040	70	7.2	70	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	1,760	2,200	440	25.0	180		
196	31502	LIBRARIANS--PROFESSIONAL	40	40	0	0.0	10	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS-LIBRARY	40	50	10	25.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	90	110	20	22.2	20	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	40	40	0	0.0	0	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	1,550	1,960	410	26.5	140	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELATED	7,630	8,560	930	12.2	1,070		
204	32100	HEALTH DIAGNOSING, TREATING	690	730	40	5.8	90		
205	32102	PHYSICIANS AND SURGEONS	420	450	30	7.1	50	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	150	150	0	0.0	20	1	FIRST PROFESSIONAL DEGREE
208	32111	PODIATRISTS	50	50	0	0.0	10	1	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	70	80	10	14.3	10	1	FIRST PROFESSIONAL DEGREE

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			1999(2)	2006					
212	32300	THERAPISTS	720	860	140	19.4	80		
213	32302	RESPIRATORY CARE PRACTITIONERS	150	200	50	33.3	20	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	120	130	10	8.3	10	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	170	180	10	5.9	20	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	190	250	60	31.6	20	3	MASTER'S DEGREE
218	32317	RECREATIONAL THERAPISTS	40	40	0	0.0	0	5	BACHELOR'S DEGREE
219	32399	THERAPISTS, NEC	50	60	10	20.0	10	5	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	4,000	4,460	460	11.5	550		
221	32502	REGISTERED NURSES	2,190	2,400	210	9.6	260	6	ASSOCIATE DEGREE
222	32505	LICENSED VOCATIONAL NURSES	670	710	40	6.0	100	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	320	400	80	25.0	60	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	170	210	40	23.5	20	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	80	90	10	12.5	10	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	220	240	20	9.1	40	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	70	80	10	14.3	10	5	BACHELOR'S DEGREE
229	32523	DIETETIC TECHNICIANS	50	50	0	0.0	10	6	ASSOCIATE DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	2,220	2,510	290	13.1	350		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	170	200	30	17.6	20	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	250	250	0	0.0	20	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	180	200	20	11.1	30	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	140	160	20	14.3	30	6	ASSOCIATE DEGREE
235	32913	RADIATION THERAPISTS	30	30	0	0.0	0	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	330	340	10	3.0	30	6	ASSOCIATE DEGREE
238	32923	ELECTRONEURODIAGNOSTIC TECHNOLOGIST	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
239	32925	CARDIOLOGY TECHNOLOGISTS	70	90	20	28.6	10	6	ASSOCIATE DEGREE

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			1999(2)	2006					
240	32926	ELECTROCARDIOGRAPH TECHNICIANS	60	50	-10	-16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
241	32928	SURGICAL TECHNICIANS	140	170	30	21.4	30	7	POST-SECONDARY VOCATIONAL EDUCATION
243	32951	VETERINARY TECHNICIANS	50	60	10	20.0	10	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	770	930	160	20.8	150	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	970	1,100	130	13.4	160		
246	34002	WRITERS AND EDITORS	40	40	0	0.0	10	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	90	100	10	11.1	20	5	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	70	80	10	14.3	10	10	Moderate-term on-the-job training
257	34035	ARTISTS AND RELATED WORKERS	60	70	10	16.7	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	140	170	30	21.4	20	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	30	40	10	33.3	0	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	50	50	0	0.0	10	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	170	200	30	17.6	20	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	210	240	30	14.3	30	9	LONG-TERM ON-THE-JOB TRAINING
263	34053	DANCERS AND CHOREOGRAPHERS	40	40	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
265	34058	ATHLETES, COACHES, UMPS, RELATED	40	40	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	1,060	1,230	170	16.0	180		
272	39999	OTHER PROF, PARAPROF, TECHNICAL	1,060	1,230	170	16.0	180	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	17,530	21,160	3,630	20.7	4,210		
274	41000	FIRST-LINE SUP/MGR--SALES	1,920	2,340	420	21.9	190	8	WORK EXPERIENCE

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			1999(2)	2006					
275	43000	SALES AGENTS--SERVICE	780	960	180	23.1	120		
276	43002	SALES AGENTS, PLACERS--INSURANCE	190	240	50	26.3	30	9	LONG-TERM ON-THE-JOB TRAINING
278	43008	SALES AGENTS--REAL ESTATE	40	60	20	50.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
280	43014	SALES AGENTS--FINANCIAL SERVICES	160	170	10	6.3	10	9	LONG-TERM ON-THE-JOB TRAINING
281	43017	SALES AGENTS--SEL BUS SERVICES	120	160	40	33.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
282	43021	TRAVEL AGENTS	140	180	40	28.6	20	7	POST-SECONDARY VOCATIONAL EDUCATION
283	43023	SALES AGENTS--ADVERTISING	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
284	43099	SALES REPS, SERVICE--NEC	70	80	10	14.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
285	49000	MERCH, PRODUCTS AND OTHER SALES	14,830	17,860	3,030	20.4	3,900		
286	49002	SALES ENGINEERS	30	20	-10	-33.3	0	5	BACHELOR'S DEGREE
287	49005	SALES REPS, SCIENTIFIC--EX RETAIL	540	600	60	11.1	100	10	MODERATE-TERM ON-THE-JOB TRAINING
288	49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	980	1,070	90	9.2	170	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49011	SALESPERSONS, RETAIL	5,280	6,420	1,140	21.6	1,410	11	SHORT-TERM ON-THE-JOB TRAINING
290	49014	SALESPERSONS--PARTS	440	480	40	9.1	90	10	MODERATE-TERM ON-THE-JOB TRAINING
291	49017	COUNTER AND RENTAL CLERKS	740	940	200	27.0	260	11	SHORT-TERM ON-THE-JOB TRAINING
292	49021	STOCK CLERKS--SALES FLOOR	1,700	1,910	210	12.4	190	11	SHORT-TERM ON-THE-JOB TRAINING
293	49023	CASHIERS	3,870	4,810	940	24.3	1,380	11	SHORT-TERM ON-THE-JOB TRAINING
294	49026	TELEMARKETERS, SOLICITORS & RELATED	260	370	110	42.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
295	49034	DEMONSTRATORS AND PROMOTERS	60	80	20	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
297	49999	SALES AND RELATED WORKERS, NEC	930	1,160	230	24.7	230	10	MODERATE-TERM ON-THE-JOB TRAINING
298	50000	CLERICAL, ADMINISTRATIVE SUPPORT	22,850	25,440	2,590	11.3	3,670		

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			1999(2)	2006					
299	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	1,700	2,000	300	17.6	290	8	WORK EXPERIENCE
300	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	2,790	3,130	340	12.2	540		
301	53100	BANKING, SECURITY, FINANCE, CREDIT	1,210	1,270	60	5.0	270		
302	53102	TELLERS	710	700	-10	-1.4	220	11	SHORT-TERM ON-THE-JOB TRAINING
303	53105	NEW ACCOUNTS CLERKS	110	130	20	18.2	30	8	WORK EXPERIENCE
308	53121	LOAN AND CREDIT CLERKS	190	200	10	5.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
309	53123	ADJUSTMENT CLERKS	200	240	40	20.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
312	53300	INSURANCE WORKERS	470	570	100	21.3	60		
313	53302	INS ADJUST, EXAMIN, INVESTIGATORS	150	180	30	20.0	20	9	LONG-TERM ON-THE-JOB TRAINING
316	53311	INSURANCE CLAIMS CLERKS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
317	53314	INSURANCE POLICY PROCESSING CLERKS	200	250	50	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53500	INVESTIGATIVE, RELATED, EX INSUR	320	390	70	21.9	60		
319	53502	WELFARE ELIG WORKERS, INTERVIEWERS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
321	53508	BILL AND ACCOUNT COLLECTORS	290	360	70	24.1	60	11	SHORT-TERM ON-THE-JOB TRAINING
322	53700	MUNICIPAL WORKERS	30	30	0	0.0	0		
325	53708	LICENSE CLERKS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
326	53800	LODGING AND TRAVEL WORKERS	110	120	10	9.1	30		
329	53808	HOTEL DESK CLERKS	110	120	10	9.1	30	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
330	53900	MISC INDUSTRY SPECIFIC CLERICAL	650	750	100	15.4	120		
331	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	150	170	20	13.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
332	53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	430	510	80	18.6	40	11	SHORT-TERM ON-THE-JOB TRAINING
334	53911	PROOFREADERS AND COPY MARKERS	70	70	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
336	55000	SECRETARIAL, GENERAL OFFICE OCCS	12,890	14,210	1,320	10.2	2,090		
337	55100	SECRETARIES	2,800	2,950	150	5.4	330		
338	55102	SECRETARIES, LEGAL	220	240	20	9.1	30	7	POST-SECONDARY VOCATIONAL EDUCATION
339	55105	SECRETARIES, MEDICAL	290	270	-20	-6.9	30	7	POST-SECONDARY VOCATIONAL EDUCATION
340	55108	SECRETARIES, GENERAL	2,290	2,440	150	6.6	270	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55300	MISC SECRETARIAL, GENL OFF OCCS	10,090	11,260	1,170	11.6	1,760		
342	55302	STENOGRAPHERS AND/OR COURT REPORTER	70	90	20	28.6	10	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55305	RECEPTIONISTS, INFORMATION CLERKS	1,910	2,100	190	9.9	270	11	SHORT-TERM ON-THE-JOB TRAINING
344	55307	TYPISTS, INCLUDING WORD PROCESSING	340	300	-40	-11.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
345	55314	PERS CLERKS--EX PAYROLL	110	110	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
347	55321	FILE CLERKS	770	940	170	22.1	210	11	SHORT-TERM ON-THE-JOB TRAINING
348	55323	ORDER CLERKS--MATERIALS, SERVICE	280	290	10	3.6	50	11	SHORT-TERM ON-THE-JOB TRAINING
349	55326	PROCUREMENT CLERKS	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
350	55328	STATISTICAL CLERKS	50	40	-10	-20.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
351	55332	INTERVIEW CLERKS--EX PERS, WELFARE	80	90	10	12.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
352	55335	CUSTOMER SERVICE REPS--UTILITIES	210	260	50	23.8	40	11	SHORT-TERM ON-THE-JOB TRAINING
353	55338	BOOKKEEPING, ACCOUNTING CLERKS	2,370	2,490	120	5.1	320	10	MODERATE-TERM ON-THE-JOB TRAINING
354	55341	PAYROLL AND TIMEKEEPING CLERKS	200	200	0	0.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
355	55344	BILLING, COST, AND RATE CLERKS	440	480	40	9.1	60	11	SHORT-TERM ON-THE-JOB TRAINING
356	55347	GENERAL OFFICE CLERKS	3,200	3,810	610	19.1	690	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
357	56000	EDP AND OFFICE MACHINE OCCUPATIONS	1,140	1,240	100	8.8	160		
358	56002	BILLING, POSTING, CALC MACHINE OPS	120	110	-10	-8.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
359	56005	DUPLICATING MACHINE OPERATORS	50	80	30	60.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
361	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	90	80	-10	-11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
363	56017	DATA ENTRY KEYERS--EX COMPOSING	430	520	90	20.9	30	7	POST-SECONDARY VOCATIONAL EDUCATION
365	56099	OFFICE MACHINE OPERATORS, NEC	450	450	0	0.0	90	11	SHORT-TERM ON-THE-JOB TRAINING
366	57000	COMMUNICATIONS, MAIL DISTRIBUTION	740	750	10	1.4	140		
367	57100	COMMUNICATION EQUIPMENT OPERATORS	320	320	0	0.0	50		
368	57102	SWITCHBOARD OPERATORS	320	320	0	0.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
373	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	420	430	10	2.4	90		
374	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
375	57305	POSTAL MAIL CARRIERS	350	360	10	2.9	70	11	SHORT-TERM ON-THE-JOB TRAINING
377	57311	MESSENGERS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
378	58000	MATERIAL RECORDING, DISPATCHING	3,020	3,470	450	14.9	380		
379	58002	DISPATCH--POLICE, FIRE, AMBULANCE	100	110	10	10.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
380	58005	DISPATCH--EX POLICE, FIRE, AMBUL	190	220	30	15.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
381	58008	PROD, PLANNING, EXPEDITING CLERKS	150	160	10	6.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
383	58014	METER READERS--UTILITIES	70	90	20	28.6	10	11	SHORT-TERM ON-THE-JOB TRAINING
384	58017	WEIGHERS, MEASURERS--RECORDKEEPING	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
386	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	990	1,180	190	19.2	110	11	SHORT-TERM ON-THE-JOB TRAINING
387	58026	ORDER FILLERS--WHLE & RET SALES	190	210	20	10.5	30	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
388	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	1,020	1,150	130	12.7	130	11	SHORT-TERM ON-THE-JOB TRAINING
389	58099	MATERIAL RECORDING, RELATED, NEC	270	310	40	14.8	50	11	SHORT-TERM ON-THE-JOB TRAINING
390	59000	CLERICAL, ADMIN SUPPORT, NEC	570	640	70	12.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
392	60000	SERVICE OCCUPATIONS	21,480	25,160	3,680	17.1	5,760		
393	61000	FIRST-LINE SUP/MGR--SERVICE	1,360	1,710	350	25.7	270		
394	61002	FIRE FIGHTING & PREVENTION SUPS	180	210	30	16.7	50	8	WORK EXPERIENCE
395	61005	POLICE AND DETECTIVE SUPERVISORS	180	200	20	11.1	40	8	WORK EXPERIENCE
396	61008	HOUSEKEEPING SUPERVISORS	70	80	10	14.3	10	8	WORK EXPERIENCE
397	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	930	1,220	290	31.2	170	8	WORK EXPERIENCE
398	63000	PROTECTIVE SERVICE OCCUPATIONS	2,470	3,020	550	22.3	580		
401	63008	FIRE FIGHTERS	400	430	30	7.5	70	9	LONG-TERM ON-THE-JOB TRAINING
402	63011	POLICE DETECTIVES	100	130	30	30.0	20	8	WORK EXPERIENCE
403	63014	POLICE PATROL OFFICERS	940	1,190	250	26.6	200	9	LONG-TERM ON-THE-JOB TRAINING
410	63035	DETECTIVES, INVESTIGATORS--EX PUBLIC	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
413	63044	CROSSING GUARDS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
414	63047	GUARDS AND WATCH GUARDS	700	910	210	30.0	140	11	SHORT-TERM ON-THE-JOB TRAINING
415	63099	PROTECTIVE SERVICE WORKERS, NEC	240	270	30	12.5	130	11	SHORT-TERM ON-THE-JOB TRAINING
416	65000	FOOD, BEV PREP AND SERVICE OCCS	10,350	12,160	1,810	17.5	3,850		
417	65002	HOSTS, HOSTesses--RESTAURANTS	200	250	50	25.0	50	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
418	65005	BARTENDERS	580	630	50	8.6	180	11	SHORT-TERM ON-THE-JOB TRAINING
419	65008	WAITERS AND WAITRESSES	1,910	2,310	400	20.9	820	11	SHORT-TERM ON-THE-JOB TRAINING
420	65011	FOOD SERVERS--OUTSIDE	70	70	0	0.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
421	65014	DINING RM ATTENDANTS, BAR HELPERS	390	420	30	7.7	90	11	SHORT-TERM ON-THE-JOB TRAINING
422	65017	COUNTER ATTENDANTS--FOOD	500	550	50	10.0	330	11	SHORT-TERM ON-THE-JOB TRAINING
423	65021	BAKERS--BREAD AND PASTRY	260	330	70	26.9	60	10	Moderate-term on-the-job training
424	65023	BUTCHERS AND MEAT CUTTERS	290	310	20	6.9	50	9	Long-term on-the-job training
425	65026	COOKS--RESTAURANT	550	680	130	23.6	120	9	Long-term on-the-job training
426	65028	COOKS--INSTITUTION OR CAFETERIA	290	280	-10	-3.4	50	9	Long-term on-the-job training
427	65032	COOKS--SPECIALTY FAST FOOD	450	550	100	22.2	90	11	Short-term on-the-job training
428	65035	COOKS--SHORT ORDER	310	390	80	25.8	70	11	Short-term on-the-job training
429	65038	FOOD PREPARATION WORKERS	1,610	1,820	210	13.0	670	11	Short-term on-the-job training
430	65041	COMBINED FOOD PREP AND SERVICE	2,580	3,110	530	20.5	1,110	11	Short-term on-the-job training
431	65099	FOOD SERVICE WORKERS, NEC	360	460	100	27.8	120	11	Short-term on-the-job training
432	66000	HEALTH SERVICE, RELATED OCCS	3,000	3,390	390	13.0	380		
433	66002	DENTAL ASSISTANTS	450	520	70	15.6	50	10	Moderate-term on-the-job training
434	66005	MEDICAL ASSISTANTS	410	490	80	19.5	80	10	Moderate-term on-the-job training
435	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,500	1,640	140	9.3	150	11	Short-term on-the-job training
436	66011	HOME HEALTH CARE WORKERS	250	300	50	20.0	30	11	Short-term on-the-job training
438	66017	PHYSICAL THERAPY ASSISTANTS & AIDES	160	180	20	12.5	30	10	Moderate-term on-the-job training
439	66021	OCCUPATIONAL THERAPY ASSISTANTS	60	70	10	16.7	10	10	Moderate-term on-the-job training
441	66026	PHARMACY AIDES	90	100	10	11.1	20	11	Short-term on-the-job training
442	66099	HEALTH SERVICE WORKERS, NEC	80	90	10	12.5	10	11	Short-term on-the-job training
443	67000	CLEANING, BLDNG SERV EX PRIV HOUS	2,720	3,050	330	12.1	430		
444	67002	MAIDS AND HOUSEKEEPING CLEANERS	630	700	70	11.1	90	11	Short-term on-the-job training

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			1999(2)	2006					
445	67005	JANITORS, CLEANERS--EXCEPT MAIDS	1,790	2,000	210	11.7	290	11	SHORT-TERM ON-THE-JOB TRAINING
446	67008	PEST CONTROLLERS AND ASSISTANTS	90	130	40	44.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
448	67099	CLEANING, BLDING SERV--EX PH, NEC	210	220	10	4.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
449	68000	MISC PERSONAL SERVICE OCCUPATIONS	1,310	1,520	210	16.0	200		
451	68005	HAIRDRESSERS, HAIRSTYLISTS	470	540	70	14.9	90	7	POST-SECONDARY VOCATIONAL EDUCATION
454	68014	AMUSEMENT, RECREATION ATTENDANTS	170	200	30	17.6	30	11	SHORT-TERM ON-THE-JOB TRAINING
456	68021	USHERS, LOBBY ATTENDANTS	70	80	10	14.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
461	68035	PERSONAL AND HOME CARE AIDES	130	160	30	23.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
462	68038	CHILD CARE WORKERS	470	540	70	14.9	40	11	SHORT-TERM ON-THE-JOB TRAINING
464	69000	MISC SERVICE WORKERS	270	310	40	14.8	50	8	WORK EXPERIENCE
466	70000	AGRICULTURAL, FORESTRY, FISHING	2,560	2,960	400	15.6	570		
467	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	40	50	10	25.0	10	8	WORK EXPERIENCE
475	79000	MISC AG, FORESTRY, FISHING	2,520	2,910	390	15.5	560		
478	79011	GRADERS, SORTERS--AG PRODUCTS	270	290	20	7.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
480	79016	ANIMAL TRAINERS	30	30	0	0.0	10	8	WORK EXPERIENCE
481	79017	ANIMAL CARETAKERS--EXCEPT FARM	60	70	10	16.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
483	79033	PRUNERS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
484	79036	SPRAYERS, APPLICATORS	30	40	10	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
485	79041	LABORERS, LANDSCAPING/GRNDSKEEPING	1,620	1,910	290	17.9	370	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
486	79806	VETERINARY ASSISTANTS	60	70	10	16.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
488	79858	FARMWORKERS-FARM/RANCH ANIMALS	50	60	10	20.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
489	79999	AG, FORESTRY, FISHING--NEC	360	400	40	11.1	80	11	SHORT-TERM ON-THE-JOB TRAINING
490	80000	PROD, CONST, OPER, MAT HANDLING	43,050	49,410	6,360	14.8	7,660		
491	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	2,370	2,730	360	15.2	500		
492	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	470	550	80	17.0	110	8	WORK EXPERIENCE
493	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	500	620	120	24.0	100	8	WORK EXPERIENCE
494	81008	FIRST-LINE SUP/MGR-PRODUCTION	850	950	100	11.8	180	8	WORK EXPERIENCE
495	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	130	150	20	15.4	30	8	WORK EXPERIENCE
496	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	140	160	20	14.3	30	8	WORK EXPERIENCE
497	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	280	300	20	7.1	50	8	WORK EXPERIENCE
498	83000	INSPECTORS, RELATED OCCUPATIONS	1,150	1,250	100	8.7	200		
499	83002	INSPECTORS, TESTERS,& GRADERS, PRECI	110	110	0	0.0	20	8	WORK EXPERIENCE
500	83005	PROD INSPECTORS, TESTERS, & GRADER	810	810	0	0.0	130	8	WORK EXPERIENCE
502	83099	INSPECTORS, TESTERS, RELATED, NEC	230	330	100	43.5	50	8	WORK EXPERIENCE
503	85000	MECHANICS, INSTALLERS, REPAIRERS	5,470	6,320	850	15.5	1,010		
504	85100	MACHINERY AND RELATED MECHANICS	2,280	2,590	310	13.6	380		
505	85110	MACHINERY MAINTENANCE MECHANICS	690	820	130	18.8	120	9	LONG-TERM ON-THE-JOB TRAINING
508	85116	MAINT MECHANICS--MARINE EQUIP	260	300	40	15.4	40	9	LONG-TERM ON-THE-JOB TRAINING
510	85118	MAINT MECHANICS--WATER, POWER	160	180	20	12.5	30	9	LONG-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
512	85123	MILLWRIGHTS	50	60	10	20.0	10	9	LONG-TERM ON-THE-JOB TRAINING
514	85128	MACHINERY MAINTENANCE WORKERS	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
515	85132	MAINT REPAIRERS, GENL UTILITY	1,050	1,150	100	9.5	170	9	LONG-TERM ON-THE-JOB TRAINING
516	85300	MOBILE EQUIP MECHANICS, REPAIRERS	1,920	2,190	270	14.1	350		
517	85302	AUTOMOTIVE MECHANICS	1,030	1,190	160	15.5	190	9	LONG-TERM ON-THE-JOB TRAINING
518	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	250	280	30	12.0	50	9	LONG-TERM ON-THE-JOB TRAINING
519	85308	MOTORCYCLE REPAIRERS	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
520	85311	BUS AND TRUCK MECHANICS	320	360	40	12.5	50	9	LONG-TERM ON-THE-JOB TRAINING
521	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
523	85321	FARM EQUIPMENT MECHANICS	160	180	20	12.5	30	9	LONG-TERM ON-THE-JOB TRAINING
524	85323	AIRCRAFT MECHANICS	30	30	0	0.0	0	7	POST-SECONDARY VOCATIONAL EDUCATION
526	85328	SMALL ENGINE SPECIALISTS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
528	85500	COMM EQUIPMENT MECHANICS	50	50	0	0.0	10		
530	85505	FRAME WIRERS, CENTRAL OFFICE	50	50	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
535	85700	OTHER ELECTRICAL EQUIP MECHANICS	410	510	100	24.4	100		
536	85702	TELEPHONE, CABLE TV INSTALLERS	200	270	70	35.0	50	9	LONG-TERM ON-THE-JOB TRAINING
537	85705	DATA PROCESSING EQUIP REPAIRERS	70	90	20	28.6	10	7	POST-SECONDARY VOCATIONAL EDUCATION
539	85711	ELECT HOME APPL & POWER TOOL REPAIR	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
541	85717	ELECT REPAIRERS--COMMERCIAL	30	30	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
543	85723	ELECT POWERLINE INSTALLERS	50	70	20	40.0	10	9	LONG-TERM ON-THE-JOB TRAINING
544	85726	STATION INSTALLERS--TELEPHONE	30	20	-10	-33.3	10	7	POST-SECONDARY VOCATIONAL EDUCATION
547	85900	MISC MECH, INSTALLERS, REPAIRERS	810	980	170	21.0	170		
548	85902	HEATING, AC, REFRIG MECHANICS	200	260	60	30.0	30	9	LONG-TERM ON-THE-JOB TRAINING
551	85911	ELECT METER INSTALLERS, REPAIRERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
554	85921	MUSICAL INST REPAIRERS AND TUNERS	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
556	85926	OFF MACH, CASH REGISTER SERVICERS	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
562	85947	COIN, VENDING MACHINE SERVICERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
564	85953	TIRE REPAIRERS AND CHANGERS	170	190	20	11.8	60	11	SHORT-TERM ON-THE-JOB TRAINING
566	85999	MECHS, INSTALLERS, REPAIRERS, NEC	280	340	60	21.4	40	9	LONG-TERM ON-THE-JOB TRAINING
567	87000	CONSTRUCTION TRADES	5,470	6,610	1,140	20.8	920		
568	87100	CARPENTERS AND RELATED WORKERS	2,390	2,920	530	22.2	370		
569	87102	CARPENTERS	1,200	1,470	270	22.5	250	9	LONG-TERM ON-THE-JOB TRAINING
571	87108	DRYWALL INSTALLERS	540	670	130	24.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING
572	87111	TAPERS	330	410	80	24.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87114	LATHERS	320	370	50	15.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87200	ELECTRICIANS AND RELATED WORKERS	760	910	150	19.7	120		
576	87202	ELECTRICIANS	760	910	150	19.7	120	9	LONG-TERM ON-THE-JOB TRAINING
577	87300	MASONS AND RELATED WORKERS	390	470	80	20.5	70		
578	87302	BRICK MASONS	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
581	87311	CONCRETE AND TERRAZZO FINISHERS	170	200	30	17.6	20	9	LONG-TERM ON-THE-JOB TRAINING
582	87314	REINFORCING METAL WORKERS	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
583	87317	PLASTERERS AND STUCCO MASONS	130	170	40	30.8	30	9	LONG-TERM ON-THE-JOB TRAINING
584	87400	PAINTERS AND RELATED WORKERS	370	450	80	21.6	70		
585	87402	PAINTERS, PAPERHANGERS--CONST	370	450	80	21.6	70	10	MODERATE-TERM ON-THE-JOB TRAINING
586	87500	PLUMBERS AND RELATED WORKERS	430	520	90	20.9	40		
587	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	360	430	70	19.4	30	9	LONG-TERM ON-THE-JOB TRAINING
589	87508	PIPELAYERS	70	90	20	28.6	10	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
591	87600	CARPET, FLOOR INSTALLERS	120	150	30	25.0	20		
592	87602	CARPET INSTALLERS	120	150	30	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
595	87700	SELECTED ROAD, RAIL AND RELATED	180	210	30	16.7	40		
598	87708	PAVING, TAMPING-EQUIP OPERATORS	130	160	30	23.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
599	87711	HIGHWAY MAINTENANCE WORKERS	50	50	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
601	87800	CONSTRUCTION TRADES, NEC	550	670	120	21.8	130		
604	87805	SHEET METAL DUCT INSTALLERS	120	160	40	33.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87808	ROOFERS	190	230	40	21.1	50	10	MODERATE-TERM ON-THE-JOB TRAINING
606	87811	GLAZIERS	50	50	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
607	87814	STRUCTURAL METAL WORKERS	110	130	20	18.2	20	9	LONG-TERM ON-THE-JOB TRAINING
609	87899	CONSTRUCTION TRADES WORKERS, NEC	80	100	20	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
610	87900	EXTRACTIVE AND RELATED WORKERS	280	310	30	10.7	60		
611	87902	EARTH DRILLERS, EXCEPT OIL AND GAS	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
624	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	250	280	30	12.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
625	89000	PRODUCTION OCCUPATIONS, PRECISION	2,480	2,810	330	13.3	420		
626	89100	METAL WORKERS, PRECISION	890	980	90	10.1	150		
627	89102	TOOL AND DIE MAKERS	50	50	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
629	89108	MACHINISTS	510	540	30	5.9	70	9	LONG-TERM ON-THE-JOB TRAINING
630	89111	TOOL GRINDERS, FILERS, SHARPENERS	50	60	10	20.0	10	9	LONG-TERM ON-THE-JOB TRAINING
634	89123	JEWELERS AND SILVERSMITHS	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
637	89132	SHEET METAL WORKERS	250	300	50	20.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999(2)	2006					
640	89300	WOODWORKERS, PRECISION	230	300	70	30.4	30		
643	89308	WOOD MACHINISTS	40	50	10	25.0	0	9	LONG-TERM ON-THE-JOB TRAINING
644	89311	CABINETMAKERS AND BENCH CARPENTERS	110	140	30	27.3	10	9	LONG-TERM ON-THE-JOB TRAINING
645	89314	FURNITURE FINISHERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
646	89399	WOODWORKERS, NEC--PRECISION	50	70	20	40.0	10	9	LONG-TERM ON-THE-JOB TRAINING
647	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	150	160	10	6.7	20		
649	89505	CUSTOM TAILORS AND SEWERS	30	30	0	0.0	0	8	WORK EXPERIENCE
652	89514	SPOTTERS--DRY CLEANING	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
653	89517	PRESSERS--DELICATE FABRICS	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
656	89700	PRINTING WORKERS, PRECISION	30	20	-10	-33.3	0		
657	89702	HAND COMPOSITORS AND TYPESETTERS	30	20	-10	-33.3	0	9	LONG-TERM ON-THE-JOB TRAINING
670	89800	FOOD WORKERS, PRECISION	100	100	0	0.0	20		
671	89802	SLAUGHTERERS AND BUTCHERS	100	100	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
675	89900	OTHER PRECISION WORKERS	1,080	1,250	170	15.7	200		
682	89921	DENTAL LAB TECHNICIANS, PRECISION	50	50	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
685	89999	WORKERS, PRECISION--NEC	1,030	1,200	170	16.5	190	9	LONG-TERM ON-THE-JOB TRAINING
686	91000	MACH SETTERS, SET-UP, OPS, TENDERS	5,970	6,470	500	8.4	1,010		
687	91100	MACH TOOL CUTTING--METAL, PLASTIC	30	30	0	0.0	10		
689	91105	LATHE MACH SETTERS--METAL, PLASTIC	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING

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694	91300	MACH FORMING SETTERS--METAL,PLASTIC	180	200	20	11.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91305	PRESS MACH SETTERS--METAL, PLASTIC	40	50	10	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
697	91308	SHEAR MACH SETTERS--METAL, PLASTIC	30	40	10	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
701	91321	MACH FORMING OPS,TENDRS--MET, PLAS	110	110	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
702	91500	MACH TOOL SETTERS, OPS--METAL,PLASTIC	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
705	91508	COMB MACH TOOL OPS--METAL, PLASTIC	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91700	METAL FABRICATING MACH SETTERS,OPS	180	210	30	16.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
707	91702	WELDING MACH SETTERS, SET-UP OPS	40	40	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91705	WELDING MACH OPERATORS AND TENDERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
711	91714	METAL FABRICATOR, STRUCT MET PRODS	80	100	20	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
712	91900	METAL, PLAST PROCESS MACH SETTERS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91905	PLASTIC MOLDING, CASTING MACH OPS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
727	92100	METAL, PLAST MACH SETTERS, OPS NEC	60	80	20	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92198	CUT, FORM, FAB, PROCESS MACH OPS	60	80	20	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
730	92300	WOODWORKING MACH SETTERS, OPS	80	100	20	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
733	92308	SAWING MACH OPS AND TENDERS	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
735	92314	WOODWORK MACH OPS,TNDRS--EX SAWING	30	40	10	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
736	92500	PRINTING, BINDING, RELATED WORKERS	200	210	10	5.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
738	92512	OFFSET LITHOGRAPHIC PRESS SETTERS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
743	92525	BINDERY MACH SETTERS, SET-UP OPS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
746	92543	PRINTING PRESS MACHINE OPS, TENDER	110	120	10	9.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
748	92546	BINDERY MACHINE OPERATORS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
750	92700	TEXTILE, RELATED SETTERS, OPS	330	370	40	12.1	60		
757	92721	SEWING MACHINE OPS--NON-GARMENT	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	200	220	20	10.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
760	92728	PRESSING MACH OPS--TEXTILE, GARMENT	70	90	20	28.6	10	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92900	MACH SETTER,SET-UP,OP--EX MET,PLAS	4,760	5,110	350	7.4	790		
767	92917	COOKING MACH OPS,TNDRS-FOOD,TOBACCO	460	480	20	4.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
771	92928	COOLING, FREEZING EQUIP OPS, TNDRS	40	40	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
772	92932	DAIRY PROC EQUIP OPRS--INC SETTERS	340	340	0	0.0	60	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92947	PAINTERS, TRANSPORTATION EQUIP	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92951	PAINT, COAT & SPRAY MACH SETTERS	40	50	10	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
779	92953	PAINTING, REL MACH OPS, TENDERS	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92958	CLEANING, PICKLING EQUIP OPS,TNDRS	180	180	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
783	92965	CRUSHING, MIXING MACH OPS, TNDRS	290	320	30	10.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92971	EXTRUDING, FORMING MACH OPS, TNDRS	70	70	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92974	PACKAGING, FILLING MACH OPS, TNDRS	2,630	2,850	220	8.4	500	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92997	MACHINE SETTERS & SET-UP OPS, NEC	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92998	MACHINE OPERATORS AND TENDERS, NEC	540	590	50	9.3	60	10	MODERATE-TERM ON-THE-JOB TRAINING
789	93000	ASSEMBLERS AND FABRICATORS--HAND	5,150	5,900	750	14.6	890		
790	93100	ASSEMBLERS, PRECISION	40	40	0	0.0	10		
792	93105	MACH BLDR, OTH PREC MACH ASSEMBLER	40	40	0	0.0	10	8	WORK EXPERIENCE
798	93900	OTHER HAND WORKERS	5,110	5,860	750	14.7	880		
800	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	130	190	60	46.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
803	93914	WELDERS AND CUTTERS	630	770	140	22.2	120	7	POST-SECONDARY VOCATIONAL EDUCATION

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
804	93917	SOLDERERS AND BRAZERS	30	40	10	33.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
810	93935	CANNERY WORKERS	1,400	1,370	-30	-2.1	250	11	SHORT-TERM ON-THE-JOB TRAINING
811	93938	MEAT, POULTRY, FISH CUTTERS--HAND	1,430	1,600	170	11.9	250	11	SHORT-TERM ON-THE-JOB TRAINING
814	93947	PAINTING, COATING, DECORATING--HAND	30	30	0	0.0	0	11	SHORT-TERM ON-THE-JOB TRAINING
816	93953	GRINDING, POLISHING WORKERS--HAND	40	50	10	25.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
817	93956	ASSEMBL, FABRICATORS--EX MACH,ELECT	1,130	1,430	300	26.5	160	11	SHORT-TERM ON-THE-JOB TRAINING
818	93999	HAND WORKERS, NEC	290	380	90	31.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
819	95000	PLANT AND SYSTEM OCCUPATIONS	490	550	60	12.2	110		
820	95002	WATER TREATMENT PLANT OPERATORS	80	90	10	12.5	10	9	LONG-TERM ON-THE-JOB TRAINING
826	95021	POWER PLANT OPS--EX AUXILIARY EQUIP	40	50	10	25.0	10	9	LONG-TERM ON-THE-JOB TRAINING
829	95028	POWER DISTRIBUTORS AND DISPATCHERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
830	95032	STATIONARY ENGINEERS	110	110	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
831	95099	PLANT AND SYSTEM OPERATORS, NEC	230	260	30	13.0	60	9	LONG-TERM ON-THE-JOB TRAINING
832	97000	TRANS, MATERIAL MOVING MACHINE OPS	7,490	8,750	1,260	16.8	910		
833	97100	MOTOR VEHICLE OPERATORS	5,500	6,470	970	17.6	630		
834	97102	TRUCK DRIVERS, HEAVY	2,350	2,730	380	16.2	250	11	SHORT-TERM ON-THE-JOB TRAINING
835	97105	TRUCK DRIVERS, LIGHT	2,160	2,620	460	21.3	240	11	SHORT-TERM ON-THE-JOB TRAINING
836	97108	BUS DRIVERS	140	170	30	21.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
837	97111	BUS DRIVERS--SCHOOL	400	470	70	17.5	50	11	SHORT-TERM ON-THE-JOB TRAINING
839	97117	DRIVER/SALES WORKERS	450	480	30	6.7	70	11	SHORT-TERM ON-THE-JOB TRAINING
841	97300	RAIL TRANSPORTATION WORKERS	60	80	20	33.3	20		
843	97305	LOCOMOTIVE ENGINEERS	30	50	20	66.7	10	8	WORK EXPERIENCE
847	97317	RAILROAD BRAKE, SIGNAL, SWITCH OPS	30	30	0	0.0	10	8	WORK EXPERIENCE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
859	97800	MISC TRANSPORTATION WORKERS	270	310	40	14.8	50		
861	97805	SERVICE STATION ATTENDANTS	90	100	10	11.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
863	97899	TRANS AND RELATED WORKERS, NEC	180	210	30	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
864	97900	MATERIAL MOVEMENT EQUIP OPERATORS	1,660	1,890	230	13.9	210		
872	97923	EXCAVATING, LOADING MACHINE OPS	70	100	30	42.9	10	10	MODERATE-TERM ON-THE-JOB TRAINING
877	97938	GRADER, DOZER, SCRAPER OPERATORS	80	100	20	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97944	CRANE AND TOWER OPERATORS	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
880	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	900	1,010	110	12.2	80	11	SHORT-TERM ON-THE-JOB TRAINING
881	97951	CONVEYOR OPERATORS AND TENDERS	210	220	10	4.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
883	97956	OPERATING ENGINEERS	190	220	30	15.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
884	97989	MATERIAL MOVING EQUIP OPS, NEC	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97999	TRANS, MAT MOVING EQUIP OPS, NEC	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
886	98000	HELPERS, LABORERS, HAND--EX AG	7,010	8,020	1,010	14.4	1,690		
887	98100	MECHANIC AND REPAIRER HELPERS	390	460	70	17.9	140		
888	98102	MECHANIC AND REPAIRER HELPERS, NEC	390	460	70	17.9	140	11	SHORT-TERM ON-THE-JOB TRAINING
889	98300	CONST TRADES, EXTRACTIVE--HELPERS	660	830	170	25.8	250		
890	98311	HELPERS--BRICK,STONE MASONS	40	60	20	50.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
891	98312	HELPERS--CARPENTERS AND RELATED	230	280	50	21.7	80	11	SHORT-TERM ON-THE-JOB TRAINING
892	98313	HELPERS--ELECT, POWERLINE INSTALL	40	50	10	25.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
893	98314	HELPERS--PAINTERS AND RELATED	50	60	10	20.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
894	98315	HELPERS--PLUMBERS AND RELATED	60	80	20	33.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
895	98316	HELPERS--ROOFERS	90	110	20	22.2	30	11	SHORT-TERM ON-THE-JOB TRAINING
896	98319	HELPERS--CONSTRUCTION TRADES, NEC	150	190	40	26.7	60	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999(2)	2006					
899	98500	MACHINE FEEDERS AND OFFBEARERS	240	260	20	8.3	50		
900	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	240	260	20	8.3	50	11	SHORT-TERM ON-THE-JOB TRAINING
901	98700	FREIGHT, STOCK, MAT MOVERS, HAND	850	870	20	2.4	230		
903	98705	REFUSE COLLECTORS	70	80	10	14.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
904	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	780	790	10	1.3	210	11	SHORT-TERM ON-THE-JOB TRAINING
905	98900	MISC HELPERS, LABORERS--HAND	4,870	5,600	730	15.0	1,020		
906	98902	HAND PACKERS AND PACKAGERS	1,160	1,420	260	22.4	220	11	SHORT-TERM ON-THE-JOB TRAINING
907	98905	VEHICLE WASHERS, EQUIP CLEANERS	840	970	130	15.5	200	11	SHORT-TERM ON-THE-JOB TRAINING
908	98999	MISC HELPERS, LABORERS--HAND, NEC	2,870	3,210	340	11.8	600	11	SHORT-TERM ON-THE-JOB TRAINING
909	AAAAA	OCCUPATIONS NOT CLASSIFIED	80	100	20	25.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	2,550	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	2,320	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	1,640	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	1,300	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	1,220	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	940	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER BACHELOR'S DEGREE
31305	TEACHERS--ELEMENTARY SCHOOL	900	5	
65038	FOOD PREPARATION WORKERS	880	11	SHORT-TERM ON-THE-JOB TRAINING
92974	PACKAGING, FILLING MACH OPS, TN	720	10	MODERATE-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	700	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	660	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	630	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDS, PARAPROFESSIONAL	550	6	ASSOCIATE DEGREE
87102	CARPENTERS	520	9	LONG-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	500	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	480	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	470	6	ASSOCIATE DEGREE
49017	COUNTER AND RENTAL CLERKS	460	11	SHORT-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	460	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH, ELECTRICAL	460	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	450	9	LONG-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	440	10	MODERATE-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	430	5	BACHELOR'S DEGREE
55108	SECRETARIES, GENERAL	420	7	POST-SECONDARY VOCATIONAL EDUCATION
93938	MEAT, POULTRY, FISH CUTTERS--HAND	420	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49021	STOCK CLERKS--SALES FLOOR	400	11	SHORT-TERM ON-THE-JOB TRAINING
55321	FILE CLERKS	380	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	380	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	350	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	350	9	LONG-TERM ON-THE-JOB TRAINING
98905	VEHICLE WASHERS, EQUIP CLEANERS	330	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	300	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	290	11	SHORT-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	280	8	WORK EXPERIENCE
85132	MAINT REPAIRERS, GENL UTILITY	270	9	LONG-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	270	9	LONG-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	260	10	MODERATE-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	260	11	SHORT-TERM ON-THE-JOB TRAINING
93914	WELDERS AND CUTTERS	260	7	POST-SECONDARY VOCATIONAL EDUCATION
65026	COOKS--RESTAURANT	250	9	LONG-TERM ON-THE-JOB TRAINING
85110	MACHINERY MAINTENANCE MECHANICS	250	9	LONG-TERM ON-THE-JOB TRAINING
65005	BARTENDERS	230	11	SHORT-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	220	8	WORK EXPERIENCE
93935	CANNERY WORKERS *	220	11	SHORT-TERM ON-THE-JOB TRAINING
53102	SELLERS *	210	11	SHORT-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	190	11	SHORT-TERM ON-THE-JOB TRAINING
81002	FIRST-LINE SUP/MGR-MECH, REPAIR	190	8	WORK EXPERIENCE
87108	DRYWALL INSTALLERS	190	10	MODERATE-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK,TRACTOR OPERATOR	190	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	170	5	BACHELOR'S DEGREE
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>27,210</b>		

(1) Exclude not elsewhere classified (NEC) categories.

\* These occupations appear because of the high number of separations, not growth.

**Table 8**  
**Occupations With Projected Declines (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999 (2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESSING	340	300	-40	40	10	MODERATE-TERM ON-THE-JOB TRAINING
93935	CANNERY WORKERS	1,400	1,370	-30	250	11	SHORT-TERM ON-THE-JOB TRAINING
55105	SECRETARIES, MEDICAL	290	270	-20	30	7	POST-SECONDARY VOCATIONAL EDUCATION
53102	TELLERS	710	700	-10	220	11	SHORT-TERM ON-THE-JOB TRAINING
65028	COOKS--INSTITUTION OR CAFETERIA	290	280	-10	50	9	LONG-TERM ON-THE-JOB TRAINING
56002	BILLING, POSTING, CALC MACHINE	120	110	-10	20	11	SHORT-TERM ON-THE-JOB TRAINING
32926	ELECTROCARDIOGRAPH TECHNICIANS	60	50	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
56011	COMPUTER OPS--EX PERIPHERAL EQUIP	90	80	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
55328	STATISTICAL CLERKS	50	40	-10	0	10	MODERATE-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>3,350</b>	<b>3,200</b>	<b>-150</b>	<b>630</b>		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

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# Appendix

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## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	854	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDIT, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	309	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	333	53908
AERONAUT, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURE, FORESTRY, FISHING--NEC	489	79999
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL, FORESTRY, FISHING	466	70000
AIR DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AIR HAMMER OPERATORS	596	87702
AIR TRANSPORTATION WORKERS	857	97700
AIRCRAFT ASSEMBLERS--PRECISION	791	93102
AIRCRAFT ENGINE SPECIALISTS	525	85326
AIRCRAFT MECHANICS	524	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	858	97702
AMBULANCE DRIVERS & ATTENDANTS, EX EMER MED TECHS	440	66023
AMUSEMENT, RECREATION ATTENDANTS	454	68014
ANIMAL BREEDERS	479	79015
ANIMAL CARETAKERS--EXCEPT FARM	481	79017
ANIMAL TRAINERS	480	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHRO & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	279	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA,ETHNIC,&CULT STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMBL. FABRICATORS--EX MACH, ELECT, PRECISION	817	93956
ASSEMBLERS AND FABRICATORS--HAND WORKING	789	93000
ASSEMBLERS, NEC--PRECISION	797	93197
ASSEMBLERS, PRECISION	790	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRERS, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	518	85305
AUTOMOTIVE MECHANICS	517	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	827	95023
BAGGAGE PORTERS AND BELLHOPS	457	68023
BAILIFFS	406	63023
BAKERS--BREAD AND PASTRY	423	65021

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	672	89805
BANKING, SECURITY, FINANCE, CREDIT	301	53100
BARBERS	450	68002
BARTENDERS	418	65005
BICYCLE REPAIRERS	563	85951
BILL AND ACCOUNT COLLECTORS	321	53508
BILLING, COST, AND RATE CLERKS	355	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	358	56002
BINDERY MACH SETTERS, SET-UP OPERATORS	743	92525
BINDERY MACHINE OPERATORS	748	92546
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL & FOOD TECHS EX HEALTH	96	24502
BLASTERS AND EXPLOSIVES WORKERS	612	87905
BOILER OPS, TENDERS--LOW PRESSURE	770	92926
BOILERMAKERS	638	89135
BOOKBINDERS	668	89721
BOOKKEEPING, ACCOUNTING CLERKS	353	55338
BRATTICE BUILDERS	574	87121
BRICK MASONS	578	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	860	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	311	53128
BROKERS--REAL ESTATE	277	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	520	85311
BUS DRIVERS	836	97108
BUS DRIVERS--SCHOOL	837	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	424	65023
CABINETMAKERS AND BENCH CARPENTERS	644	89311
CAMERA OPERATORS	663	89713
CAMERA OPS--TV AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	552	85914
CANNERY WORKERS	810	93935
CAPTAINS--WATER VESSEL	850	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	569	87102
CARPENTERS AND RELATED WORKERS	568	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	809	93932
CARPET INSTALLERS	592	87602
CARPET, FLOOR INSTALLERS	591	87600
CASHIERS	293	49023
CEILING TILE INSTALLERS	570	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	780	92956
CENTRAL OFFICE AND PBX INSTALLERS	529	85502
CENTRAL OFFICE OPERATORS	370	57108
CHEMICAL TECHNICIANS & TECHNOLOGISTS--EX HEALTH	97	24505
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	773	92935

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL EQUIPMENT TENDERS	774	92938
CHEMICAL PLANT, SYSTEM OPERATORS	822	95008
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	462	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	471	73005
CIVIL ENGINEERING TECHNICIANS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES	443	67000
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES, NEC	448	67099
CLEANING, PICKLING EQUIPMENT OPERATORS,TENDERS	781	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	391	59999
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	390	59000
CLERICAL, ADMINISTRATIVE SUPPORT	298	50000
COIL WINDERS, TAPERS, FINISHERS	801	93908
COIN, VENDING MACHINE SERVICERS	562	85947
COMB MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91508
COMB MACHINE TOOL SETTERS--METAL, PLASTIC	704	91505
COMBINED FOOD PREPARATION AND SERVICE	430	65041
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	528	85500
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIR, NEC	534	85599
COMM, TRANSPORTATION, UTILITIES OPERTIONS MGRS	16	15023
COMMUNICATION EQUIPMENT OPERATORS, NEC	372	57199
COMMUNICATION EQUIPMENT OPERATORS	367	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	366	57000
COMPLIANCE OFFICERS, ENFORCE INSPECT--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATORS--EX PERIPHERAL EQUIPMENT	361	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPS RESEARCH, & RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	581	87311
CONSTRUCTION AND BUILDING INSPECTORS	45	21908
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	889	98300
CONSTRUCTION, EXTRACTIVE--EX HELPERS, NEC	624	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	567	87000
CONSTRUCTION TRADES WORKERS, NEC	609	87899
CONSTRUCTION TRADES, NEC	601	87800
CONTINUOUS MINING MACHINE OPERATOR	620	87941
CONVEYOR OPERATORS AND TENDERS	881	97951

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPS,TENDERS-FOOD,TOBACCO	767	92917
COOKS--INSTITUTION OR CAFETERIA	426	65028
COOKS--RESTAURANT	425	65026
COOKS--SHORT ORDER	428	65035
COOKS--SPECIALTY FAST FOOD	427	65032
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	771	92928
CORRECTION OFFICERS, JAILERS	404	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	346	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	291	49017
COUNTER ATTENDANTS--FOOD	422	65017
COURT CLERKS	323	53702
CRANE AND TOWER OPERATORS	879	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	306	53114
CREDIT CHECKERS	307	53117
CRIMINAL INVESTIGATORS, FEDERAL	408	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS,	176	31246
CROSSING GUARDS	413	63044
CRUSHING, MIXING MACHINE OPERATORS, TENDERS	783	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	649	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	352	55335
CUTTING, FORMING, FABRICATING, PROCESS MACH SETTER	728	92197
CUTTING, FORMING, FABRICATING, PROCESS MACH OPS	729	92198
CUTTING & SLICING MACHINE SETTERS & SET-UP OPS	775	92941
CUTTERS AND TRIMMERS--HAND	807	93926
CUTTING & SLICING MACHINE OPERATORS & TENDERS	776	92944
DAIRY PROCESSING EQUIPMENT OPERATORS--INC SETTERS	772	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	363	56017
DATA KEYERS--COMPOSING	364	56021
DATA PROCESSING EQUIPMENT REPAIRERS	537	85705
DEMONSTRATORS AND PROMOTERS	295	49034
DENTAL ASSISTANTS	433	66002
DENTAL HYGIENISTS	233	32908
DENTAL LABORATORY TECHNICIANS, PRECISION	682	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	615	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS	679	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	410	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	421	65014
DIRECTORS--RELIGIOUS ACTIVITIES, EDUC	132	27505
DIRECTORY ASSISTANCE OPERATORS	369	57105
DISPATCH--EX POLICE, FIRE, AMBULANCE	380	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCH--POLICE, FIRE, AMBULANCE	379	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	873	97926
DREDGE OPERATORS, DIPPER TENDERS	874	97928
DRILLING MACHINE SETTER--METAL, PLASTIC	690	91108
DRIVERS/SALES WORKERS	839	97117
DRYWALL INSTALLERS	571	87108
DUPLICATING MACHINE OPERATORS	359	56005
DYERS, PRECISION	654	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	611	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCL MARKET RESEARCH ANALYST	120	27102
EDP AND OFFICE MACHINE OCCUPATIONS	357	56000
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	545	85728
ELECTRICAL AND ELECTRONIC ENGINEERS	61	22126
ELECTRICAL EQUIPMENT MECHANICS, NEC	546	85799
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	539	85711
ELECTRONIC HOME ENTERTAINMENT EQUIP REPAIRERS	538	85708
ELECTRIC METER INSTALLERS, REPAIRERS	551	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	540	85714
ELECTRICAL POWERLINE INSTALLERS	543	85723
ELECTRONICS REPAIRERS--COMMERCIAL & INDUSTRIAL	541	85717
ELECTRICAL & ELECTRONIC ENGINEERING TECHS & TECHNOS	75	22505
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	795	93114
ELECTRICAL, ELECTRONIC ASSEMBLERS	800	93905
ELECTRICIANS	576	87202
ELECTRICIANS AND RELATED WORKERS	575	87200
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	719	91921
ELECTROLYTIC PLATING, MACHINE SETTER	718	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	794	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	550	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC PAGINATION SYSTEM WORKERS	660	89707
ELECTRONIC SEMICONDUCTOR PROCESSOR	762	92902
ELEVATOR INSTALLERS AND REPAIRERS	558	85932
ELEVATOR OPERATORS	447	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEER, MATH, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, RELATED TECHNICIANS	73	22500
ENGINEERING, RELATED TECHS & TECHNOS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANG & LIT TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	815	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	636	89128
EXCAVATING, LOADING MACHINE OPERATORS	872	97923
EXTRACTIVE AND RELATED WORKERS	610	87900
EXTRACTIVE WORKERS--EX HELPERS,NEC	623	87989
EXTRUDING MACHINE OPS,TENDERS--SYNTHETIC/GLASS	753	92708
EXTRUDING MACHINE SETTERS--METAL,PLASTIC	698	91311
EXTRUDING,FORMING MACHINE OPERATORS, TENDERS	785	92971
EXTRUDING, FORMING, SETTERS & SET-UP OPERATORS	784	92968
FALLERS AND BUCKERS	470	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	523	85321
FARM EQUIPMENT OPERATORS	482	79021
FARMWORKERS-FARM/RANCH ANIMALS	488	79858
FARMWORKERS-FOOD, FIBER CROPS	487	79856
FENCE ERECTORS	608	87817
FILE CLERKS	347	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	401	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	394	61002
FIRE INSPECTORS	399	63002
FIRST-LINE SUP/MGR SERVICE WORKERS, NEC	397	61099
FIRST-LINE SUP/MGR, CLERICAL, ADMINISTRATIVE SUPPORT	299	51000
FIRST-LINE SUP/MGR--AGRICULTURAL, FORESTRY, FISHING	467	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	491	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	497	81099
FIRST-LINE SUP/MGR-CONSTRUCTION	493	81005
FIRST-LINE SUP/MGR-HELP, LABORERS	496	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	492	81002
FIRST-LINE SUP/MGR-PRODUCTION	494	81008
FIRST-LINE SUP/MGR--SALES	274	41000
FIRST-LINE SUP/MGR--SERVICE	393	61000
FIRST-LINE SUP/MGR-TRANSPORTATION	495	81011
FIRST-LINE SUPERVISORS - AGRICULTURE	468	72002
FISH AND GAME WARDENS	412	63041
FITTERS, STRUCTURAL METAL--PRECISION	793	93108
FLIGHT ATTENDANTS	458	68026
FLOOR LAYERS--EX CARPET,WOOD,TILES	593	87605
FLOOR SANDING MACHINE OPERATORS	594	87608
FOOD AND TOBACCO WORKERS, NEC	674	89899
FOOD BATCHMAKERS	673	89808
FOOD PREPARATION WORKERS	429	65038
FOOD SERVERS--OUTSIDE	420	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026
FOOD SERVICE WORKERS, NEC	431	65099
FOOD WORKERS, PRECISION	670	89800

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FOOD, BEVERAGE PREPARATION AND SERVICE OCCS	416	65000
FOREIGN LANG & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENT SPECIALISTS	400	63005
FOREST, CONSERVATION WORKERS	476	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	700	91317
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	717	91914
FOUNDRY MOLD,CORE MAKERS,PRECISION	676	89902
FRAME WIRERS, CENTRAL OFFICE	530	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	904	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	901	98700
FUNERAL ATTENDANTS	463	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	724	91935
FURNACE, KILN, KETTLE OPERATORS, TENDERS	769	92923
FURNITURE FINISHERS	645	89314
GAS APPLIANCE REPAIRERS	561	85944
GAS COMPRESSOR OPERATORS	871	97921
GAS PLANT OPERATORS	821	95005
GAS PUMPING STATION OPERATORS	870	97917
GAUGERS	825	95017
GEM AND DIAMOND WORKERS	684	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	356	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGIST, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	606	87811
GLAZIERS, MANUFACTURING	802	93911
GRADER, DOZER, SCRAPER OPERATORS	877	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	478	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL,PLASTIC	692	91114
GRINDING, POLISHING WORKERS--HAND	816	93953
GUARDS AND WATCH GUARDS	414	63047
GUIDES	455	68017
HAIRDRESSERS, HAIRSTYLISTS	451	68005
HAND COMPOSITORS AND TYPESETTERS	657	89702
HAND PACKERS AND PACKAGERS	906	98902
HAND WORKERS, NEC	818	93999
HAND WORKERS--JEWELRY, PRECISION	635	89126
HARD TILE SETTERS	580	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	603	87803
HEAD SAWYERS	732	92305
HEALTH ASSESSMENT & TREATMENT TEACHERS, POSTSEC	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFS, NEC	244	32999
HEALTH DIAGNOSING, TREATING	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000

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HEALTH SERVICE WORKERS, NEC	442	66099
HEALTH SERVICE, RELATED OCCS	432	66000
HEAT TREATING MACHINE OPS, TENDERS	723	91932
HEATERS, METAL & PLASTIC	725	91938
HEATING EQUIP SETTERS-METAL, PLASTIC	722	91928
HEATING, AC, REFRIGERATION MECHANICS	548	85902
HELPERS, LABORERS, HAND-EX AGRICULTURE & FORESTRY	886	98000
HELPERS--BRICK,STONE MASONS	890	98311
HELPERS--CARPENTERS AND RELATED	891	98312
HELPERS--CONSTRUCTION TRADES, NEC	896	98319
HELPERS--CONST TRADES & EXTRACT WORKERS	898	98399
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	892	98313
HELPERS--EXTRACTIVE WORKERS	897	98323
HELPERS--PAINTERS AND RELATED	893	98314
HELPERS--PLUMBERS AND RELATED	894	98315
HELPERS--ROOFERS	895	98316
HIGHWAY MAINTENANCE WORKERS	599	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	878	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH CARE WORKERS	436	66011
HOSTS, HOSTesses--RESTAURANTS	417	65002
HOTEL DESK CLERKS	329	53808
HOUSEKEEPING SUPERVISORS	396	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS & TECHNOS	76	22508
INDUST ENGINEERS--EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	880	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	300	53000
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	313	53302
INSPECTORS, RELATED OCCUPATIONS	498	83000
INSPECTORS, TESTERS, RELATED, NEC	502	83099
INSPECTORS,TESTERS,& GRADERS,PRECISION	499	83002
INSTALLER & REPAIRER, MOBILE HOME	560	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES--SPORTS	192	31321
INSTRUCTORS--NON-VOCATIONAL EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	628	89105
INSTRUMENT REPAIRERS, PRECISION	549	85905
INSULATION WORKERS	602	87802
INSURANCE APPRAISERS--AUTO DAMAGE	314	53305
INSURANCE CLAIMS CLERKS	316	53311
INSURANCE EXAMINING CLERKS	315	53308
INSURANCE POLICY PROCESSING CLERKS	317	53314
INSURANCE WORKERS	312	53300
INTERIOR DESIGNERS	259	34041
INTERVIEW CLERKS--EX PERSONNEL, WELFARE	351	55332
INVESTIGATIVE, RELATED, EX INSURANCE	318	53500
INVESTIGATORS--CLERICAL	320	53505

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JANITORS, CLEANERS--EXCEPT MAIDS	445	67005
JEWELERS AND SILVERSMITHS	634	89123
JOB PRINTERS	658	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	485	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	689	91105
LATHERS	573	87114
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	632	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPERATORS	739	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	331	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	325	53708
LICENSED VOCATIONAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING WORKERS,NEC	667	89719
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	661	89710
LAUNDRY, DRYCLEAN MACH OPS--EX PRESS	759	92726
LOADING MACHINE OPERATORS--MINING	875	97932
LOAN AND CREDIT CLERKS	308	53121
LOAN INTERVIEWERS	305	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	555	85923
LOCOMOTIVE ENGINEERS	843	97305
LOCOMOTIVE FIRERS	845	97311
LODGING AND TRAVEL WORKERS	326	53800
LOG GRADERS AND SCALERS	477	79008
LOG HANDLING EQUIPMENT OPERATORS	472	73008
LOGGING TRACTOR OPERATORS	473	73011
LONGSHORE EQUIPMENT OPERATORS	865	97902
MACHINE BUILDERS & OTHER PRECISION MACH ASSEMBLER	792	93105
MACHINE FORMING OPS,TENDERS--METAL, PLASTIC	701	91321
MACHINE FORMING SETTERS--METAL,PLASTIC	694	91300
MACHINE SETTER,SET-UP,OP--EX METAL,PLASTIC	761	92900
MACHINE SETTERS, SET-UP OPERATORS, & TENDERS	686	91000
MACHINE TOOL CUTTING OPS--METAL,PLASTIC	693	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	687	91100

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MACHINE TOOL SETTERS, OPS--METAL,PLASTIC	702	91500
MACHINE ASSEMBLERS	799	93902
MACHINE FEEDERS AND OFFBEARERS	899	98500
MACHINE FEEDERS AND OFFBEARERS,NEC	900	98502
MACHINE OPERATORS AND TENDERS, NEC	788	92998
MACHINE SETTERS & SET-UP OPERATORS, NEC	787	92997
MACHINERY AND RELATED MECHANICS	504	85100
MACHINERY MAINT MECHANICS, NEC	511	85119
MACHINERY MAINTENANCE MECHANICS	505	85110
MACHINERY MAINTENANCE WORKERS	514	85128
MACHINISTS	629	89108
MAIDS AND HOUSEKEEPING CLEANERS	444	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL	374	57302
MAIL MACHINE OPERATORS-PREP AND HANDLING	360	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	373	57300
MAIN LINE STATION ENGINEERS	869	97914
MAINTENANCE MECHANICS--MARINE EQUIP	508	85116
MAINTENANCE MECHANICS--WATER, POWER	510	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	515	85132
MAINTENANCE MECHANICS--SEWING MACHINE	507	85113
MAINTENANCE MECHANICS--TEXTILE	506	85112
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	452	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKING CLERKS	385	58021
MASONS AND RELATED WORKERS	577	87300
MATERIAL MOVEMENT EQUIPMENT OPERATORS	864	97900
MATERIAL MOVING EQUIP OPERATORS, NEC	884	97989
MATERIAL RECORDING, DISPATCHING	378	58000
MATERIAL RECORDING, RELATED, NEC	389	58099
MATES--SHIP, BOAT, AND BARGE	851	97505
MATH SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS--HAND	811	93938
MECHANICAL CONTROL, VALVE INSTALLERS	557	85928
MECHANIC AND REPAIRER HELPERS	887	98100
MECHANIC AND REPAIRER HELPERS, NEC	888	98102
MECHANICAL ENGINEERING TECHNICIANS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	503	85000
MECHANICS, NEC	527	85399
MECHANICS, INSTALLERS, REPAIRERS, NEC	566	85999
MEDICAL, CLINICAL LAB ASSISTANTS	232	32905

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MEDICAL, CLINICAL LAB TECHNOLOGISTS	231	32902
MEDICAL APPLIANCE MAKERS	683	89923
MEDICAL ASSISTANTS	434	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICINE, HEALTH SERVICES MANAGERS	11	15008
MENDERS, GARMENTS AND LINENS	565	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	285	49000
MESSENGERS	377	57311
METAL FABRICATING MACH SETTERS,OPS	706	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	711	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	716	91911
METAL MOLDING, MACHINE SETTER, SET-UP	715	91908
METAL POURERS, CASTERS--BASIC	812	93941
METAL WORKERS, NEC--PRECISION	639	89199
METAL WORKERS, PRECISION	626	89100
METAL, PLASTIC MACHINE SETTERS, OPS NEC	727	92100
METAL, PLASTIC PROCESS MACHINE SETTERS	712	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	383	58014
MANAGERS AND ADMINISTRATIVE OCCUPATIONS	2	10000
MILLING MACHINE SETTERS--METAL,PLASTIC	691	91111
MILLWRIGHTS	512	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	621	87943
MINING ENGINEERS--INCL MINE SAFETY	55	22108
MINING MACHINE OPERATORS	619	87940
MINING MACHINE OPERATORS, NEC	622	87949
MINING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AGRICULTURE, FORESTRY, FISHING	475	79000
MISC HELPERS, LABORERS--HAND	905	98900
MISC HELPERS, LABORERS--HAND, NEC	908	98999
MISC INDUSTRY SPECIFIC CLERICAL	330	53900
MISC MECHANICS, INSTALLERS, REPAIRERS	547	85900
MISC METAL, PLASTIC MACHINE SETTERS OPERATORS	726	91999
MISC PERSONAL SERVICE OCCUPATIONS	449	68000
MISC PROFESSIONALS, PARAPROFS, TECHNICAL	266	39000
MISC SECRETARIAL, GENERAL OFFICE OCCS	341	55300
MISC SERVICE WORKERS	464	69000
MISC TRANSPORTATION WORKERS	859	97800
MARKETING, ADVERTISING, PUBLIC-RELATIONS MANAGERS	6	13011
MOBILE EQUIPMENT MECHANICS, REPAIRERS	516	85300
MOBILE HEAVY EQUIP MECHANICS--EX ENGINE	521	85314
MODELS	296	49036
MOLDERS AND CASTERS--HAND	813	93944
MOLDERS, SHAPERS--EX JEWELRY	677	89905
MOTION PICTURE PROJECTIONISTS	763	92905
MOTOR VEHICLE OPERATORS	833	97100
MOTOR VEHICLE OPERATORS, NEC	840	97199
MOTORBOAT OPERATORS	853	97511

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTORCYCLE REPAIRERS	519	85308
MUNICIPAL CLERKS	324	53705
MUNICIPAL WORKERS	322	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	554	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NUMERICALC TOOL, PROCESS PROGRAMMERS	108	25111
NEW ACCOUNTS CLERKS	303	53105
NONELECTROLYTIC PLATING & COATING MACHINE-OPS	721	91926
NONELECTROLYTIC PLATING MACHINE-SETTERS & SET-UP	720	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS	98	24508
NUMERICAL MACHINE TOOL OPS--METAL, PLASTIC	703	91502
NURSE AIDES, ORDERLIES, ATTENDANTS	435	66008
NURSERY & GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS	439	66021
OCCUPATIONS NOT CLASSIFIED	909	
OFFICE MACHINE, CASH REGISTER SERVICERS	556	85926
OFFICE MACHINE OPERATORS, NEC	365	56099
OFFSET LITHOGRAPHIC PRESS SETTERS	738	92512
OIL PUMPERS--EXCEPT WELL HEAD	867	97908
OPERATING ENGINEERS	883	97956
OPERATIONS & SYSTEMS RESEARCHERS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	681	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	348	55323
ORDER FILLERS--WHOLESALE & RETAIL SALE	387	58026
ORDINARY SEAMEN AND MARINE OILERS	855	97517
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER ELECTRICAL EQUIPMENT MECHANICS	535	85700
OTHER HAND WORKERS	798	93900
OTHER HEALTH PROFESSIONALS, PARAPROFS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	675	89900
OTHER PROFESSIONALS, PARAPROF, TECHNICAL	272	39999
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	786	92974
PAINT, COAT & SPRAY MACHINE SETTERS	778	92951
PAINTERS AND RELATED WORKERS	584	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION	585	87402
PAINTERS, TRANSPORTATION EQUIPMENT	777	92947
PAINTING, COATING, DECORATING--HAND	814	93947
PAINTING, RELATED MACHINE OPERATORS, TENDERS	779	92953
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	766	92914
PARALEGAL PERSONNEL	141	28305

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PARKING ENFORCEMENT OFFICERS	405	63021
PARKING LOT ATTENDANTS	862	97808
PARKS,REC,LEISURE,FITNESS STUDIES TEACHERS, POST	181	31258
PASTE UP WORKERS	659	89706
PATTERN AND MODEL MAKERS--METAL	631	89114
PATTERN AND MODEL MAKERS--WOOD	641	89302
PATTERN MARKERS--WOOD	642	89305
PATTERNMAKERS AND LAYOUT WORKERS	648	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	678	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	598	87708
PAYROLL AND TIMEKEEPING CLERKS	354	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	362	56014
PERSONNEL CLERKS--EX PAYROLL	345	55314
PERSONNEL, TRAINING, LABOR-RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS	37	21500
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS, NEC	41	21511
PERSONAL AND HOME CARE AIDES	461	68035
PEST CONTROLLERS AND ASSISTANTS	446	67008
PETROLEUM REFINERY, CONTROL PANEL OPERATORS	824	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	823	95011
PETROLEUM TECHNICIANS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	441	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	662	89712
PHOTOENGRAVING, LITHOGRAPHING MACHINE OPERATORS	747	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESSING MACHINE OPS & TENDERS	764	92908
PHOTOGRAPHIC PROCESS WORKER,PRECISION	680	89914
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	438	66017
PHYSICAL, LIFE SCIENCE TECHNICIANS	95	24500
PHYSICAL, LIFE SCIENCE TECHNICIANS, NEC	100	24599
PHYSICIANS AND SURGEONS	205	32102
PHYSICIAN'S ASSISTANTS	224	32511
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	597	87705
PILOTS--SHIP	852	97508
PIPELAYERS	589	87508
PIPELAYING FITTERS	588	87505
PLANT AND SYSTEM OCCUPATIONS	819	95000
PLANT AND SYSTEM OPERATORS, NEC	831	95099
PLAST MOLDING, CASTING MACHINE SETTER	713	91902
PLASTERERS AND STUCCO MASONS	583	87317

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLASTIC MOLDING, CASTING MACHINE OPS	714	91905
PLATEMAKERS	666	89718
PLUMBERS AND RELATED WORKERS	586	87500
PLUMBERS, PIPEFITTERS, STEAMFITTER	587	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	395	61005
POLICE DETECTIVES	402	63011
POLICE PATROL OFFICERS	403	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	808	93928
POSTAL MAIL CARRIERS	375	57305
POSTAL SERVICE CLERKS	376	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	829	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	826	95021
POWER REACTOR OPERATORS	828	95026
POWERHOUSE, RELATED ELECTRICIANS	542	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	696	91305
PRESSERS--DELICATE FABRICS	653	89517
PRESSERS--HAND	805	93921
PRESSING MACH OPS--TEXTILE, GARMENT	760	92728
PRINT PRESS SETTERS, SET UP OPS	737	92510
PRINT PRESS SETTERS, SET-UP OPS NEC	740	92519
PRINT REL SETTERS, SET-UP OPS, NEC	744	92529
PRINT, BINDING, RELATED MACHINE OPS, TENDER	749	92549
PRINTING PRESS MACHINE OPS, TENDER	746	92543
PRINTING WORKERS, NEC--PRECISION	669	89799
PRINTING WORKERS, PRECISION	656	89700
PRINTING, BINDING, RELATED WORKERS	736	92500
PROCUREMENT CLERKS	349	55326
PROD INSPECTORS, TESTERS, & GRADER	500	83005
PROD, CONST, OPER, MATERIAL HANDLING	490	80000
PROD, PLANNING, EXPEDITING CLERKS	381	58008
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	625	89000
PROFESSIONAL, PARAPROF, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	334	53911
PROPERTY AND REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	398	63000
PROTECTIVE SERVICE WORKERS, NEC	415	63099
PRUNERS	483	79033
PSYCHIATRIC AIDES	437	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237
PUBLIC ADMIN CHIEF EXECUTIVES, LEGISLATORS	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	882	97953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUNCH MACHINE SETTERS--METAL, PLASTIC	695	91302
PURCHASING AGENTS AND BUYERS--FARM PRODUCTS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODS	36	21308
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	533	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	522	85317
RAIL TRANSPORTATION WORKERS	841	97300
RAIL VEHICLE OPERATIVES, NEC	848	97399
RAIL YARD ENGINEERS AND RELATED	844	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	847	97317
RAILROAD CONDUCTORS, YARDMASTERS	842	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	411	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPS	600	87714
REAL ESTATE CLERKS	335	53914
RECEPTIONISTS, INFORMATION CLERKS	343	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	513	85126
REFUSE COLLECTORS	903	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	582	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANS TICKET AGENTS	328	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY CARE PRACTITIONERS	213	32302
RIGGERS	559	85935
ROASTING, BAKING MACHINE OPERATORS--FOOD	768	92921
ROCK SPLITTERS, QUARRY	613	87908
ROLLING MACH SETTERS--METAL, PLASTIC	699	91314
ROOF BOLTERS	618	87923
ROOFERS	605	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACT	614	87911
ROUSTABOUTS	617	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	276	43002
SALES AGENTS--ADVERTISING	283	43023
SALES AGENTS--FINANCIAL SERVICES	280	43014
SALES AGENTS--REAL ESTATE	278	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	281	43017
SALES AGENTS--SERVICE	275	43000
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	297	49999
SALES ENGINEERS	286	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC EX RET	288	49008

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	287	49005
SALES REPRESENTATIVES, SERVICE--NEC	284	43099
SALESPERSONS, RETAIL	289	49011
SALESPERSONS--PARTS	290	49014
SAW MACHINE TOOL SETTERS--METAL, PLASTIC	688	91102
SAWING MACHINE OPERATORS AND TENDERS	733	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	731	92302
SCANNER OPERATORS	664	89715
SCREEN PRINT MACHINE SETTERS, SET-UP	742	92524
SECRETARIAL, GENERAL OFFICE OCCUPATIONSS	336	55000
SECRETARIES	337	55100
SECRETARIES, GENERAL	340	55108
SECRETARIES, LEGAL	338	55102
SECRETARIES, MEDICAL	339	55105
SELECTED ROAD, RAIL AND RELATED	595	87700
SEPARATING, STILL MACHINE OPS, TENDERS	782	92962
SEPTIC TANK, SEWER PIPE SERVICERS	590	87511
SERVICE OCCUPATIONS	392	60000
SERVICE STATION ATTENDANTS	861	97805
SERVICE UNIT OPERATORS	616	87917
SERVICE WORKERS, NEC	465	69999
SEWERS--HAND	806	93923
SEWING MACHINE OPERATORS--GARMENT	756	92717
SEWING MACHINE OPS--NON-GARMENT	757	92721
SHAMPOOERS	453	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	697	91308
SHEET METAL DUCT INSTALLERS	604	87805
SHEET METAL WORKERS	637	89132
SHERIFFS AND DEPUTY SHERIFFS	409	63032
SHIP ENGINEERS	856	97521
SHIPFITTERS	633	89121
SHOE AND LEATHER WKRS--PRECISION	651	89511
SHOE SEWING MACHINE OPS, TENDERS	758	92723
SHUTTLE CAR OPERATORS	876	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	532	85511
SLAUGHTERERS AND BUTCHERS	671	89802
SMALL ENGINE SPECIALISTS	526	85328
SOCIAL SCI, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY,	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENCE--INCL URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	804	93917
SOLDERING, BRAZING MACH OPS,TENDERS	710	91711
SOLDERING, BRAZING MACH SETTERS	709	91708
SPEC MATERL PRINTING MACH SETTERS	741	92522
SPECIAL AGENTS--INSURANCE	39	21505

## Alphabetical Index of Occupations

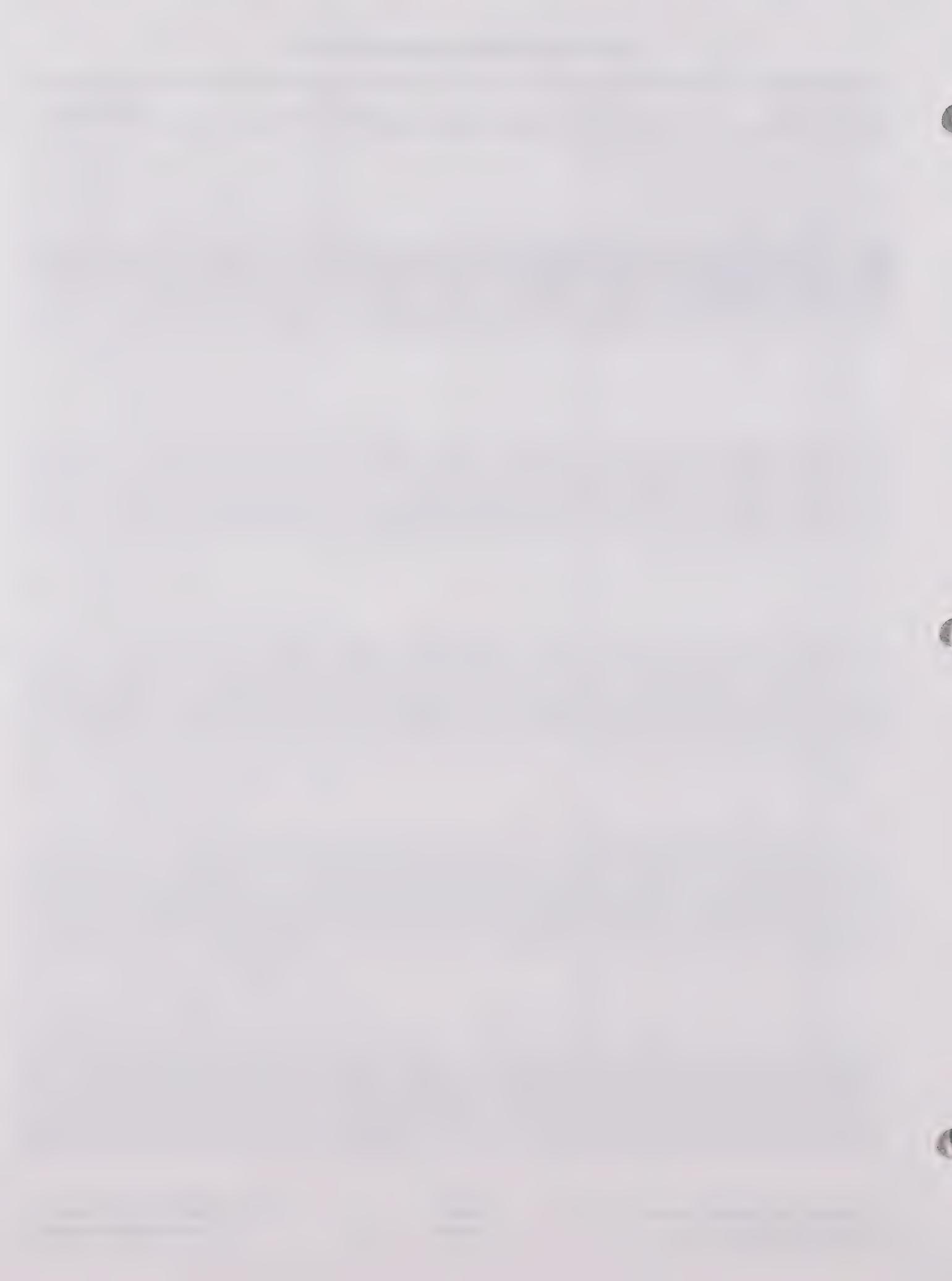
OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	652	89514
SPRAYERS, APPLICATORS	484	79036
STATEMENT CLERKS	310	53126
STATION INSTALLERS--TELEPHONE	544	85726
STATIONARY ENGINEERS	830	95032
STATISTICAL CLERKS	350	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTER	342	55302
STEVEDORES--EX EQUIPMENT OPERATORS	902	98702
STOCK CLERKS--SALES FLOOR	292	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	386	58023
STONE MASONS	579	87305
STRIPPERS	665	89717
STRUCTURAL METAL WORKERS	607	87814
SUBWAY AND STREETCAR OPERATORS	846	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING AND MAPPING SCIENTISTS	72	22311
SURVEYING AND MAPPING TECHNICIANS	80	22521
SWITCHBOARD OPERATORS	368	57102
SYSTEMS ANALYSTS--ELECTRIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	866	97905
TAPERS	572	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	838	97114
TEACHER AIDES & EDUCATIONAL ASSISTANTS, CLERICAL	332	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS, KINDERGARTEN	186	31304
TEACHERS, PRESCHOOL	185	31303
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL ED AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	371	57111
TELEGRAPH, TELETYPE INSTALLERS	531	85508
TELEMARKETERS, SOLICITORS & RELATED	294	49026
TELEPHONE, CABLE TV INSTALLERS	536	85702
TELLERS	302	53102
TEXTILE, APPAREL, FURNISHINGS, NEC--PRECISION	655	89599
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	755	92714
TEXTILE DRAW-OUT MACH OPERATORS, TENDERS	754	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	751	92702
TEXTILE OPERATORS, TENDERS--WIND, TWIST, KNIT	752	92705
TEXTILE, APPAREL, FURNISHINGS, PRECISION	647	89500
TEXTILE, RELATED SETTERS, OPERATORS	750	92700

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	469	73000
TIMBER CUTTING AND RELATED, NEC	474	73099
TIRE BUILDING MACHINE OPERATORS	765	92911
TIRE REPAIRERS AND CHANGERS	564	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	627	89102
TOOL GRINDERS, FILERS, SHARPENERS	630	89111
TRAFFIC TECHNICIANS	268	39005
TRAFFIC, SHIPPING, RECEIVING CLERKS	388	58028
TRANS AND RELATED WORKERS, NEC	863	97899
TRANS ATTENDANTS--EX FLIGHT	459	68028
TRANS, MATERIAL MOVING EQUIPMENT OPS, NEC	885	97999
TRANS, MATERIAL MOVING MACHINE OPS	832	97000
TRANSIT CLERKS	304	53108
TRANSPORTATION AGENTS	382	58011
TRANSPORTATION INSPECTORS	501	83008
TRAVEL AGENTS	282	43021
TRAVEL CLERKS	327	53802
TRUCK DRIVERS, HEAVY	834	97102
TRUCK DRIVERS, LIGHT	835	97105
TYPESETTING, COMPOSING MACHINE OPS	745	92541
TYPISTS, INCLUDING WORD PROCESSING	344	55307
U.S. MARSHALLS	407	63026
UNDERGROUND MINE MACHINE MECHANICS	509	85117
UNDERWRITERS	26	21102
UPHOLSTERERS	650	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	456	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	907	98905
VETERINARY ASSISTANTS	486	79806
VETERINARY TECHNICIANS	243	32951
VETS AND VETERINARY INSPECTORS	210	32114
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	419	65008
WARDROBE ATTENDANTS	460	68032
WATCH ASSEMBLERS, RELATED--PRECISION	796	93117
WATCHMAKERS	553	85917
WATER TRANSPORTATION WORKERS	849	97500
WATER TREATMENT PLANT OPERATORS	820	95002
WEIGHERS, MEASURERS--RECORDKEEPING	384	58017
WELDERS AND CUTTERS	803	93914
WELDING MACH OPERATORS AND TENDERS	708	91705
WELDING MACH SETTERS, SET-UP OPS	707	91702
WELFARE ELIGIBILITY WORKERS, INTERVIEWERS	319	53502
WELL HEAD PUMPERS	868	97911
WHOLESALE AND RETAIL BUYERS--EX FARM PRODS	34	21302
WOOD MACHINISTS	643	89308

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WOODWORK MACH OPS,TNDRS--EX SAWING	735	92314
WOODWORK MACH SETTERS--EX SAWING	734	92311
WOODWORKERS, NEC--PRECISION	646	89399
WOODWORKERS, PRECISION	640	89300
WOODWORKING MACHINE SETTERS, OPS	730	92300
<b>WORKERS, PRECISION--NEC</b>	<b>685</b>	<b>89999</b>
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTER, ATHLETES	245	34000



# **Standard Industrial Classification Manual**

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

## **Suggestions for Users**

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers

to aid in providing services. Trade associations and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicserv.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore  
Marathon Plaza, Room 141-S  
303 2nd Street  
San Francisco, CA 94107  
Phone - (415) 512-2770  
Fax - (415) 512-2776  
<http://access.gpo.gov>

# North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

## How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

*Relevant.* NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

*Consistent.* NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

*Comparable.* NAICS provides first-ever comparability in North American industry classifications and economic statistics.

*Flexible.* NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

### **How NAICS will affect the economic data you use.**

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

### **All new numbering system**

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

[www.census.gov/naics](http://www.census.gov/naics)

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS  
E-mail: [naics@census.gov](mailto:naics@census.gov)

# Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

## Principal Data Sources

### Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

### Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

## The Process

### Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

### Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either statewide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections

to produce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

### **Economic Assumptions**

The industry and occupational projections in this report are based on the following assumptions:

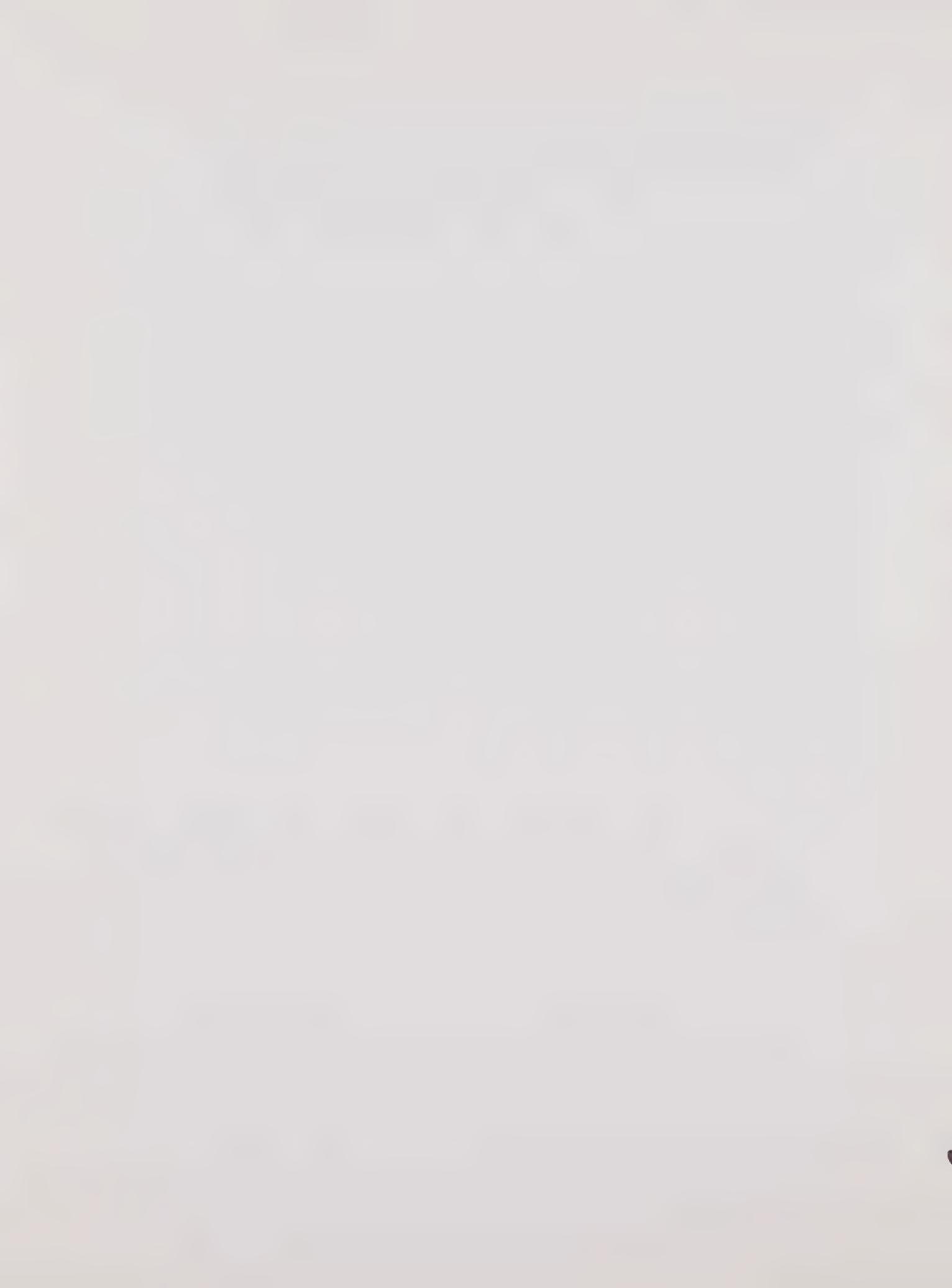
- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.



*Projections  
& Planning  
Information*

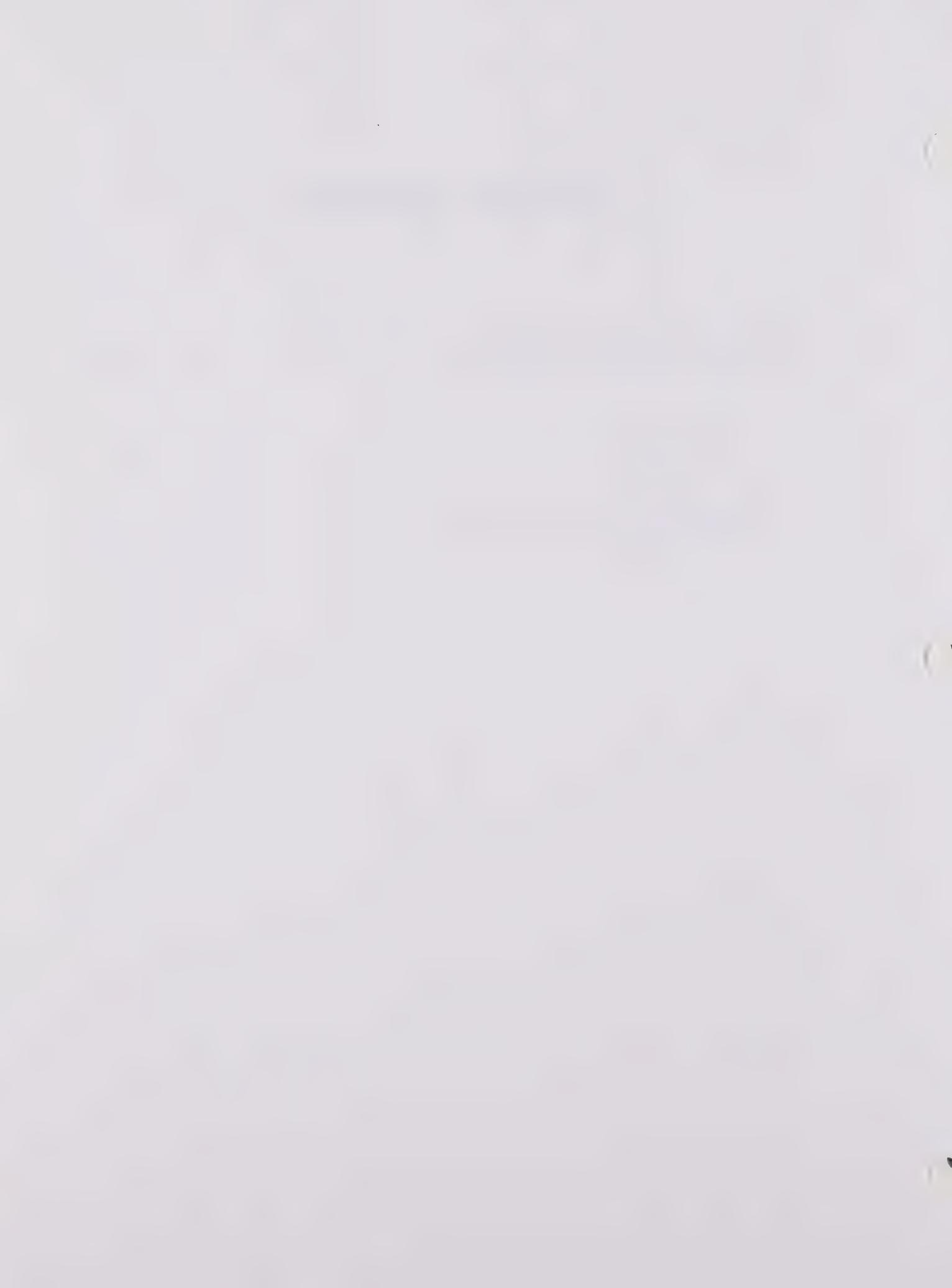
**Module E:**

**Wages**



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# Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at [www.bls.gov](http://www.bls.gov).

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

## 'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

## Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

## Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

Size Class	Number of Employees
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

## Terms and Concepts

**Employment** represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

**Wages** for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

Interval	Hourly Wage	Annual Wage
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

**Mean Hourly Wage** is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

**Median Hourly Wage** is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

**Entry-Level Hourly Wage** is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

**First Quartile Wage** is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

**Third Quartile Wage** is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

**Metropolitan Area** The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

**Metropolitan Statistical Area (MSA)** A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

**Primary Metropolitan Statistical Area (PMSA)** The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

**Consolidated Metropolitan Statistical Area (CMSA)** A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).



# Occupational Employment Statistics (OES) Survey Results

Modesto MSA

Stanislaus County

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$oes\\$.htm](http://www.calmis.ca.gov/file/occup$oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$16.26	\$23.10	\$17.93	\$21.34	\$26.84
11-3011	Administrative Services Managers	\$13.73	\$24.70	\$16.58	\$22.78	\$31.74
11-2011	Advertising and Promotions Managers	\$14.18	\$25.94	\$16.35	\$22.21	\$32.35
41-3011	Advertising Sales Agents	\$12.66	\$23.42	\$14.86	\$20.85	\$26.39
19-4011	Agricultural and Food Science Technicians	\$10.44	\$15.06	\$11.23	\$13.82	\$17.38
19-1010	Agricultural and Food Scientists	\$19.57	\$36.18	\$24.37	\$37.17	\$49.34
45-2091	Agricultural Equipment Operators	\$7.34	\$10.33	\$7.75	\$9.55	\$12.16
45-2011	Agricultural Inspectors	\$9.87	\$13.94	\$10.27	\$12.33	\$17.47
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$8.99	\$13.49	\$10.10	\$13.43	\$16.48
47-4999	All Other Construction Trades and Related Workers	\$12.84	\$17.77	\$14.70	\$17.46	\$21.07
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$12.41	\$19.81	\$13.42	\$19.04	\$23.63
29-9199	All Other Health Professionals and Technicians	\$6.75*	\$9.49	\$6.75*	\$6.75*	\$7.41
23-9099	All Other Legal and Related Workers	\$12.95	\$19.83	\$14.07	\$18.44	\$25.51
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$11.68	\$16.58	\$13.16	\$15.74	\$17.99

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	25th	50th	75th
			Mean Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$10.11	\$15.32	\$11.92	\$15.74
39-3091	Amusement and Recreation Attendants	\$6.75*	\$7.72	\$6.75*	\$6.93
39-2011	Animal Trainers	\$7.01	\$7.83	\$7.54	\$8.11
27-3010	Announcers	\$9.67	\$15.17	\$10.57	\$14.53
13-2021	Appraisers and Assessors of Real Estate	\$12.43	\$22.20	\$12.49	\$13.86
17-1011	Architects, Except Landscape and Naval	\$23.90	\$26.09	\$23.99	\$26.11
17-3011	Architectural and Civil Drafters	\$11.80	\$20.12	\$13.21	\$17.55
17-0000	Architecture and Engineering Occupations	\$16.19	\$26.09	\$18.73	\$24.95
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$8.32	\$15.33	\$9.37	\$13.57
49-3021	Automotive Body and Related Repairers	\$10.74	\$18.91	\$13.94	\$18.79
49-3023	Automotive Service Technicians and Mechanics	\$9.79	\$15.81	\$11.70	\$15.45
51-3011	Bakers	\$7.58	\$10.68	\$8.07	\$10.33
35-3011	Bartenders	\$6.75*	\$8.49	\$7.09	\$8.26
43-3011	Bill and Account Collectors	\$9.67	\$13.07	\$10.82	\$12.93
43-3021	Billing and Posting Clerks and Machine Operators	\$9.60	\$14.16	\$10.40	\$13.01
51-5011	Bindery Workers	\$7.44	\$11.44	\$8.37	\$10.75
17-2031	Biomedical Engineers	\$20.14	\$24.09	\$20.77	\$23.55
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$8.93	\$13.52	\$10.35	\$13.36
47-2021	Brickmasons and Blockmasons	\$11.28	\$18.74	\$12.31	\$17.10
43-4011	Brokerage Clerks	\$11.74	\$17.28	\$13.21	\$16.89
					\$20.62

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2031	Budget Analysts	\$23.80	\$34.19	\$25.76	\$30.08	\$39.24
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$6.89	\$10.67	\$7.27	\$8.96	\$12.98
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$13.34	\$18.46	\$14.68	\$18.09	\$22.15
53-3022	Bus Drivers, School	\$9.16	\$12.68	\$10.57	\$12.92	\$14.70
53-3021	Bus Drivers, Transit and Intercity	\$9.12	\$12.05	\$9.88	\$11.80	\$14.53
13-0000	Business and Financial Operations Occupations	\$13.15	\$21.97	\$15.65	\$20.54	\$27.29
13-1199	Business Operations Specialists, All Other	\$13.59	\$21.12	\$15.21	\$19.63	\$25.76
51-3021	Butchers and Meat Cutters	\$8.70	\$15.15	\$10.44	\$14.86	\$20.20
51-7011	Cabinetmakers and Bench Carpenters	\$7.84	\$10.32	\$8.39	\$9.97	\$11.73
43-5011	Cargo and Freight Agents	\$14.42	\$22.12	\$15.53	\$19.83	\$30.78
47-2031	Carpenters	\$10.78	\$17.32	\$12.76	\$16.75	\$22.23
47-2041	Carpet Installers	\$12.97	\$15.53	\$14.27	\$15.54	\$16.82
41-2011	Cashiers	\$6.75*	\$9.04	\$6.79	\$7.85	\$10.19
47-2051	Cement Masons and Concrete Finishers	\$8.61	\$13.89	\$9.70	\$12.31	\$17.88
51-9191	Cementing and Gluing Machine Operators and Tenders	\$7.72	\$10.17	\$7.84	\$9.09	\$10.72
35-1011	Chefs and Head Cooks	\$8.13	\$13.37	\$8.61	\$11.96	\$16.34
19-4031	Chemical Technicians	\$9.38	\$12.51	\$9.71	\$10.80	\$13.39
19-2031	Chemists	\$13.69	\$17.76	\$14.62	\$17.10	\$20.44
11-1011	Chief Executives	\$32.97	\$51.65	\$39.19	\$52.41	\$61.78
39-9011	Child Care Workers	\$7.27	\$8.92	\$7.46	\$8.46	\$9.99

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	25th	50th	75th
			Mean Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage
21-1021	Child, Family, and School Social Workers	\$11.96	\$17.69	\$14.28	\$17.80 \$21.59
17-3022	Civil Engineering Technicians	\$13.55	\$20.52	\$15.51	\$21.13 \$25.72
17-2051	Civil Engineers	\$22.20	\$29.53	\$24.31	\$28.71 \$33.66
13-1031	Claims Adjusters, Examiners, and Investigators	\$15.99	\$23.57	\$18.47	\$23.14 \$27.69
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$8.49	\$6.81	\$7.62 \$9.02
21-2011	Clergy	\$6.75*	\$12.28	\$6.75*	\$8.79 \$16.78
19-3031	Clinical, Counseling, and School Psychologists	\$22.62	\$28.59	\$24.22	\$27.70 \$32.42
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$10.38	\$13.06	\$11.22	\$13.12 \$15.20
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$9.04	\$13.15	\$9.72	\$11.74 \$18.12
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.46	\$6.75*	\$7.17 \$8.18
21-0000	Community and Social Services Occupations	\$10.41	\$17.81	\$12.21	\$16.84 \$21.69
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$14.88	\$23.60	\$17.27	\$21.63 \$29.70
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$11.76	\$17.28	\$13.62	\$16.32 \$19.51
15-0000	Computer and Mathematical Occupations	\$16.39	\$28.62	\$19.19	\$25.17 \$34.95
43-9011	Computer Operators	\$10.11	\$14.97	\$10.83	\$14.88 \$18.02
15-1021	Computer Programmers	\$17.14	\$27.25	\$19.69	\$25.82 \$32.03
15-1031	Computer Software Engineers, Applications	\$17.65	\$25.38	\$18.52	\$24.12 \$30.08
15-1032	Computer Software Engineers, Systems Software	\$30.18	\$41.37	\$35.81	\$42.78 \$50.44
15-1099	Computer Specialists, All Other	\$9.81	\$21.92	\$11.00	\$18.37 \$25.36

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
15-1041	Computer Support Specialists	\$13.50	\$20.23	\$15.34	\$20.40	\$25.15
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$10.16	\$14.30	\$10.75	\$12.17	\$13.53
47-4011	Construction and Building Inspectors	\$13.53	\$22.49	\$16.14	\$23.14	\$27.23
47-0000	Construction and Extraction Occupations	\$10.38	\$17.56	\$12.26	\$16.73	\$21.66
47-2061	Construction Laborers	\$9.39	\$15.22	\$10.69	\$14.66	\$18.98
11-9021	Construction Managers	\$17.31	\$28.12	\$20.18	\$27.61	\$36.40
53-7011	Conveyor Operators and Tenders	\$8.02	\$12.99	\$8.58	\$10.95	\$18.50
35-2011	Cooks, Fast Food	\$6.75*	\$7.30	\$6.75*	\$7.38	\$8.06
35-2012	Cooks, Institution and Cafeteria	\$7.87	\$10.37	\$8.31	\$9.68	\$12.42
35-2014	Cooks, Restaurant	\$7.77	\$9.20	\$8.08	\$9.18	\$10.29
13-1051	Cost Estimators	\$15.90	\$24.69	\$17.92	\$23.75	\$30.76
41-2021	Counter and Rental Clerks	\$7.06	\$9.71	\$7.39	\$8.77	\$10.92
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$8.99	\$7.07	\$8.26	\$11.10
43-5021	Couriers and Messengers	\$7.81	\$9.14	\$7.82	\$8.61	\$10.05
43-4041	Credit Authorizers, Checkers, and Clerks	\$10.15	\$16.77	\$10.91	\$14.70	\$20.67
33-9091	Crossing Guards	\$6.75*	\$7.37	\$6.75*	\$6.78	\$7.80
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$8.32	\$12.46	\$8.84	\$12.51	\$15.55
43-4051	Customer Service Representatives	\$9.77	\$13.41	\$10.80	\$12.92	\$15.32
51-9031	Cutters and Trimmers, Hand	\$7.98	\$10.03	\$8.41	\$9.96	\$11.81

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.52	\$14.01	\$11.44	\$13.55	\$16.91
43-9021	Data Entry Keyers	\$9.54	\$12.05	\$11.02	\$12.26	\$13.45
15-1061	Database Administrators	\$13.21	\$22.17	\$14.65	\$21.12	\$28.92
41-9011	Demonstrators and Product Promoters	\$7.24	\$10.11	\$7.35	\$8.39	\$10.74
31-9091	Dental Assistants	\$10.71	\$12.78	\$11.20	\$12.60	\$14.30
29-2021	Dental Hygienists	\$38.48	\$45.53	\$44.43	\$48.18	\$52.25
51-9081	Dental Laboratory Technicians	\$9.55	\$13.28	\$10.04	\$13.14	\$16.33
29-1020	Dentists	\$48.15	\$54.01	\$48.44	\$52.91	\$58.46
33-3021	Detectives and Criminal Investigators	\$20.68	\$26.14	\$22.82	\$26.15	\$29.78
29-2032	Diagnostic Medical Sonographers	\$23.93	\$27.81	\$24.47	\$27.14	\$31.84
29-2051	Dietetic Technicians	\$9.09	\$12.40	\$9.93	\$12.50	\$15.22
29-1031	Dietitians and Nutritionists	\$16.45	\$23.62	\$19.39	\$24.79	\$27.79
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.15	\$6.75*	\$6.96	\$8.01
35-9021	Dishwashers	\$6.75*	\$7.15	\$6.75*	\$7.15	\$8.00
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$9.04	\$15.01	\$10.14	\$14.38	\$18.44
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$6.89	\$10.29	\$6.75*	\$7.01	\$7.30
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.70	\$11.06	\$8.18	\$10.15	\$13.74
53-3031	Driver/Sales Workers	\$7.53	\$11.30	\$7.87	\$9.39	\$11.09
47-2081	Drywall and Ceiling Tile Installers	\$15.59	\$20.08	\$15.72	\$17.40	\$25.10

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th			
			Mean Hourly Wage	25th Percentile Hourly Wage	Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2092	Electric Motor, Power Tool, and Related Repairers	\$10.73	\$17.06	\$12.88	\$17.11	\$20.83
17-3023	Electrical and Electronic Engineering Technicians	\$15.00	\$20.48	\$16.40	\$18.77	\$24.11
51-2022	Electrical and Electronic Equipment Assemblers	\$6.75*	\$9.01	\$6.75*	\$7.51	\$10.52
17-2071	Electrical Engineers	\$25.80	\$38.26	\$29.69	\$37.26	\$45.40
47-2111	Electricians	\$14.03	\$20.07	\$15.41	\$19.41	\$24.99
51-2023	Electromechanical Equipment Assemblers	\$9.27	\$10.39	\$9.43	\$10.22	\$11.01
17-3024	Electro-Mechanical Technicians	\$14.05	\$21.72	\$16.51	\$20.32	\$29.22
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$7.55	\$11.16	\$8.17	\$9.54	\$11.77
39-4011	Embalmers	\$14.55	\$15.94	\$14.57	\$15.81	\$17.05
29-2041	Emergency Medical Technicians and Paramedics	\$8.17	\$11.04	\$8.40	\$9.66	\$13.10
13-1071	Employment, Recruitment, and Placement Specialists	\$13.43	\$18.11	\$15.10	\$17.49	\$21.15
11-9041	Engineering Managers	\$28.19	\$38.50	\$32.77	\$39.58	\$45.13
17-2199	Engineers, All Other	\$19.14	\$25.76	\$20.15	\$23.35	\$28.10
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
51-9194	Etchers and Engravers	\$7.72	\$10.14	\$7.49	\$8.07	\$8.64
53-7032	Excavating and Loading Machine and Dragline Operators	\$16.71	\$26.67	\$17.48	\$30.70	\$33.79
43-6011	Executive Secretaries and Administrative Assistants	\$11.69	\$15.77	\$12.88	\$15.39	\$18.04
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.36	\$12.34	\$10.25	\$11.23	\$13.71
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$11.10	\$13.01	\$12.00	\$13.07	\$14.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-3041	Farm Equipment Mechanics	\$9.79	\$15.21	\$11.05	\$14.44	\$17.47
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$7.99	\$6.75*	\$7.09	\$8.41
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$6.92	\$6.75*	\$6.83	\$7.47
45-2093	Farmworkers, Farm and Ranch Animals	\$6.75*	\$7.46	\$6.89	\$7.46	\$8.20
47-4031	Fence Erectors	\$8.92	\$11.17	\$9.39	\$10.47	\$12.27
43-4071	File Clerks	\$6.75*	\$8.39	\$6.84	\$7.63	\$9.26
11-3031	Financial Managers	\$22.01	\$34.14	\$25.28	\$32.36	\$41.75
13-2099	Financial Specialists, All Other	\$15.61	\$24.67	\$18.76	\$23.50	\$31.50
33-2011	Fire Fighters	\$16.66	\$19.58	\$17.94	\$19.77	\$21.65
33-2021	Fire Inspectors and Investigators	\$16.08	\$22.28	\$16.84	\$23.93	\$26.84
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$18.98	\$25.45	\$19.39	\$21.70	\$29.28
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$10.04	\$15.58	\$11.01	\$12.50	\$18.90
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$24.97	\$28.54	\$24.55	\$26.60	\$28.76
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.64	\$12.32	\$9.31	\$12.35	\$14.70
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$12.62	\$18.38	\$14.25	\$18.49	\$21.93
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$9.89	\$20.10	\$12.07	\$19.77	\$25.58
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$11.76	\$17.02	\$12.44	\$14.25	\$20.70
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$17.17	\$24.32	\$19.58	\$24.03	\$28.04

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$17.59	\$26.68	\$20.27	\$24.71	\$29.81
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$13.02	\$18.90	\$14.68	\$17.62	\$22.05
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$9.71	\$15.96	\$10.85	\$15.21	\$20.70
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$25.63	\$32.21	\$27.20	\$32.39	\$36.92
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.77	\$20.90	\$15.56	\$19.05	\$26.05
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.21	\$16.99	\$11.39	\$14.82	\$20.03
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$14.22	\$22.00	\$16.15	\$21.48	\$26.06
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$9.27	\$12.80	\$9.52	\$10.66	\$12.57
39-9031	Fitness Trainers and Aerobics Instructors	\$7.50	\$12.56	\$8.48	\$10.64	\$15.95
27-1023	Floral Designers	\$6.75*	\$8.51	\$7.10	\$8.17	\$9.16
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$6.75*	\$10.78	\$7.31	\$8.58	\$15.00
51-3092	Food Batchmakers	\$8.30	\$12.09	\$9.13	\$11.49	\$14.91
51-3093	Food Cooking Machine Operators and Tenders	\$8.47	\$13.24	\$9.46	\$14.38	\$16.66
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.75*	\$7.98	\$6.75*	\$7.15	\$9.13
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.17	\$6.75*	\$7.57	\$8.80
35-2021	Food Preparation Workers	\$7.20	\$8.49	\$7.26	\$7.94	\$8.67
11-9051	Food Service Managers	\$12.40	\$18.18	\$13.50	\$16.31	\$23.53
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.84	\$19.75	\$13.05	\$23.26	\$25.53
39-4021	Funeral Attendants	\$9.14	\$10.74	\$9.20	\$10.07	\$10.92

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-1021	General and Operations Managers	\$21.36	\$38.83	\$25.01	\$34.55	\$52.77
47-2121	Glaziers	\$11.95	\$14.98	\$13.39	\$15.21	\$16.82
45-2041	Graders and Sorters, Agricultural Products	\$6.75*	\$7.86	\$6.75*	\$7.50	\$8.85
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$10.60	\$15.60	\$11.20	\$13.97	\$17.46
51-9022	Grinding and Polishing Workers, Hand	\$8.99	\$11.64	\$9.68	\$11.43	\$13.21
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.81	\$11.04	\$9.16	\$10.64	\$12.44
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.09	\$9.59	\$7.43	\$8.52	\$9.83
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$19.28	\$25.35	\$22.44	\$26.45	\$29.77
21-1091	Health Educators	\$10.08	\$11.44	\$9.87	\$10.74	\$12.26
29-0000	Healthcare Practitioners and Technical Occupations	\$13.66	\$26.64	\$18.13	\$23.93	\$31.26
31-0000	Healthcare Support Occupations	\$8.65	\$11.98	\$9.36	\$11.51	\$14.21
31-9099	Healthcare Support Workers, All Other	\$9.88	\$11.57	\$9.98	\$11.03	\$12.56
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$14.45	\$20.26	\$16.28	\$19.96	\$23.28
47-3019	Helpers, Construction Trades, All Other	\$7.41	\$9.55	\$7.78	\$9.13	\$11.65
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$7.37	\$9.34	\$8.77	\$9.85	\$10.74
47-3012	Helpers--Carpenters	\$7.81	\$10.63	\$7.80	\$8.62	\$11.64
47-3013	Helpers--Electricians	\$9.07	\$11.32	\$9.51	\$10.90	\$13.14
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$8.14	\$12.02	\$9.22	\$11.47	\$13.95

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-3014	Helpers--Painters, Paperhanglers, Plasterers, and Stucco Masons	\$7.80	\$11.30	\$8.31	\$10.20	\$15.01
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.15	\$8.43	\$7.78	\$8.29	\$8.80
51-9198	Helpers--Production Workers	\$7.92	\$11.49	\$8.59	\$10.47	\$14.72
47-3016	Helpers--Roofers	\$7.61	\$9.31	\$7.73	\$8.58	\$10.91
47-4051	Highway Maintenance Workers	\$15.15	\$17.72	\$15.28	\$16.94	\$20.53
49-9031	Home Appliance Repairers	\$12.31	\$17.61	\$13.53	\$17.91	\$20.47
31-1011	Home Health Aides	\$7.18	\$10.43	\$7.74	\$9.50	\$12.90
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.75*	\$7.13	\$6.75*	\$7.03	\$7.67
43-4081	Hotel, Motel, and Resort Desk Clerks	\$6.78	\$7.64	\$7.12	\$7.74	\$8.36
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$12.40	\$15.80	\$14.29	\$16.20	\$17.81
11-3040	Human Resources Managers	\$17.86	\$29.69	\$20.54	\$27.76	\$38.30
17-3026	Industrial Engineering Technicians	\$15.10	\$20.18	\$16.81	\$20.17	\$24.73
49-9041	Industrial Machinery Mechanics	\$14.32	\$19.49	\$16.08	\$19.41	\$22.94
53-7051	Industrial Truck and Tractor Operators	\$8.96	\$13.28	\$10.11	\$13.77	\$16.46
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$10.58	\$13.72	\$11.78	\$13.33	\$14.84
49-0000	Installation, Maintenance, and Repair Occupations	\$10.24	\$17.13	\$12.09	\$16.64	\$21.73
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$7.20	\$13.71	\$8.22	\$12.89	\$19.30
43-9041	Insurance Claims and Policy Processing Clerks	\$11.84	\$16.74	\$13.26	\$15.69	\$18.10
41-3021	Insurance Sales Agents	\$15.35	\$32.87	\$18.24	\$24.85	\$47.30
13-2053	Insurance Underwriters	\$13.07	\$21.94	\$13.80	\$16.51	\$35.37

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4111	Interviewers, Except Eligibility and Loan	\$10.82	\$16.98	\$11.52	\$15.20	\$23.56
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.77	\$9.36	\$7.05	\$8.21	\$11.27
51-5021	Job Printers	\$12.07	\$15.18	\$12.44	\$14.27	\$17.47
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$7.10	\$10.16	\$7.55	\$9.24	\$11.88
37-3011	Landscaping and Groundskeeping Workers	\$7.05	\$10.83	\$7.75	\$10.17	\$13.53
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.81	\$13.35	\$10.74	\$12.71	\$15.50
51-6011	Laundry and Dry-Cleaning Workers	\$6.75*	\$7.45	\$6.75*	\$7.03	\$8.54
23-1011	Lawyers	\$26.83	\$36.59	\$29.54	\$33.34	\$44.59
43-6012	Legal Secretaries	\$12.68	\$18.20	\$13.27	\$16.42	\$22.46
11-1031	Legislators	\$20.29	\$21.50	\$19.52	\$20.76	\$22.00
25-4031	Library Technicians	\$11.38	\$14.52	\$12.31	\$13.80	\$16.84
29-2061	Licensed Practical and Licensed Vocational Nurses	\$16.55	\$19.00	\$17.84	\$19.46	\$21.05
19-0000	Life, Physical, and Social Science Occupations	\$12.89	\$22.99	\$15.28	\$21.93	\$28.75
43-4131	Loan Interviewers and Clerks	\$10.10	\$13.67	\$11.59	\$13.80	\$16.06
13-2072	Loan Officers	\$17.05	\$26.55	\$19.05	\$25.39	\$33.20
11-9081	Lodging Managers	\$11.44	\$14.47	\$11.68	\$13.02	\$15.85
53-7063	Machine Feeders and Offbearers	\$9.81	\$14.82	\$12.24	\$14.94	\$18.82
51-4041	Machinists	\$11.06	\$17.03	\$12.66	\$16.43	\$22.24
37-2012	Maids and Housekeeping Cleaners	\$6.75*	\$7.68	\$6.75*	\$7.50	\$8.40
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.51	\$9.62	\$7.74	\$9.05	\$11.41

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9042	Maintenance and Repair Workers, General	\$9.29	\$15.68	\$10.72	\$15.44	\$20.16
49-9043	Maintenance Workers, Machinery	\$11.87	\$17.54	\$14.36	\$17.99	\$21.32
13-1111	Management Analysts	\$21.02	\$31.02	\$22.45	\$27.03	\$37.78
11-0000	Management Occupations	\$18.95	\$34.74	\$22.55	\$32.07	\$44.43
11-9199	Managers, All Other	\$19.44	\$31.26	\$22.99	\$30.29	\$39.20
39-5092	Manicurists and Pedicurists	\$7.72	\$8.39	\$7.41	\$7.92	\$8.43
49-9095	Manufactured Building and Mobile Home Installers	\$9.19	\$12.55	\$9.62	\$11.45	\$15.67
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$7.08	\$8.88	\$7.24	\$8.18	\$9.33
17-3013	Mechanical Drafters	\$11.59	\$16.34	\$12.36	\$15.15	\$19.59
17-3027	Mechanical Engineering Technicians	\$14.49	\$19.57	\$16.61	\$19.58	\$22.32
17-2141	Mechanical Engineers	\$20.86	\$31.80	\$23.35	\$30.49	\$39.41
27-3099	Media and Communication Workers, All Other	\$15.36	\$16.00	\$14.78	\$15.82	\$16.84
29-2012	Medical and Clinical Laboratory Technicians	\$10.60	\$16.70	\$12.68	\$16.17	\$20.26
29-2011	Medical and Clinical Laboratory Technologists	\$24.28	\$29.83	\$25.48	\$29.53	\$33.82
11-9111	Medical and Health Services Managers	\$18.64	\$29.42	\$20.74	\$27.83	\$34.49
21-1022	Medical and Public Health Social Workers	\$17.68	\$24.02	\$20.75	\$24.26	\$27.25
31-9092	Medical Assistants	\$11.12	\$13.80	\$12.06	\$13.97	\$16.18
49-9062	Medical Equipment Repairers	\$11.94	\$14.70	\$11.89	\$12.93	\$14.98
29-2071	Medical Records and Health Information Technicians	\$7.94	\$11.50	\$8.62	\$10.85	\$13.48
43-6013	Medical Secretaries	\$10.39	\$13.62	\$11.39	\$14.14	\$15.85

SOC Code	Occupational Title	Entry-	25th	50th	75th
		Level Hourly Wage (1)	Mean Hourly Wage	Percentile Hourly Wage	Percentile Hourly Wage
31-9094	Medical Transcriptionists	\$12.94	\$15.56	\$13.49	\$15.41
51-4199	Metal Workers and Plastic Workers, All Other	\$7.64	\$9.89	\$8.40	\$10.02
43-5041	Meter Readers, Utilities	\$18.22	\$20.76	\$19.28	\$21.00
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$12.27	\$13.28	\$11.99	\$12.97
49-9044	Millwrights	\$17.51	\$24.98	\$20.27	\$25.95
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$9.76	\$14.45	\$10.67	\$15.49
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$15.82	\$20.25	\$17.42	\$19.85
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.72	\$12.85	\$11.66	\$12.94
53-3099	Motor Vehicle Operators, All Other	\$9.90	\$19.77	\$10.71	\$20.73
49-3052	Motorcycle Mechanics	\$9.82	\$14.02	\$10.11	\$13.38
15-1071	Network and Computer Systems Administrators	\$14.18	\$23.78	\$16.63	\$21.53
15-1081	Network Systems and Data Communications Analysts	\$18.39	\$26.84	\$20.83	\$26.83
43-4141	New Accounts Clerks	\$8.85	\$12.54	\$9.61	\$12.14
39-2021	Nonfarm Animal Caretakers	\$6.75*	\$9.08	\$7.02	\$8.70
29-2033	Nuclear Medicine Technologists	\$25.67	\$27.90	\$25.31	\$27.54
31-1012	Nursing Aides, Orderlies, and Attendants	\$7.96	\$9.54	\$8.37	\$9.49
29-9010	Occupational Health and Safety Specialists and Technicians	\$11.33	\$18.32	\$14.99	\$18.63
31-2011	Occupational Therapist Assistants	\$12.80	\$17.65	\$13.24	\$18.18
29-1122	Occupational Therapists	\$22.46	\$30.74	\$24.65	\$30.12
					\$34.58

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-0000	Office and Administrative Support Occupations	\$8.55	\$13.19	\$9.47	\$12.14	\$16.05
43-9061	Office Clerks, General	\$8.01	\$11.15	\$8.86	\$10.64	\$13.16
43-9071	Office Machine Operators, Except Computer	\$6.75*	\$18.10	\$6.75*	\$11.63	\$36.79
47-2073	Operating Engineers and Other Construction Equipment Operators	\$14.56	\$23.58	\$16.99	\$21.56	\$31.30
29-2081	Opticians, Dispensing	\$10.44	\$13.11	\$11.02	\$12.90	\$15.26
29-1041	Optometrists	\$38.64	(3)	\$39.95	\$44.38	>\$70.00
43-4151	Order Clerks	\$8.55	\$12.85	\$9.25	\$12.31	\$15.45
51-9111	Packaging and Filling Machine Operators and Tenders	\$8.37	\$12.68	\$9.35	\$12.77	\$15.78
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.89	\$6.85	\$8.10	\$10.08
47-2141	Painters, Construction and Maintenance	\$11.41	\$16.42	\$13.06	\$16.46	\$20.00
51-9122	Painters, Transportation Equipment	\$15.90	\$21.25	\$18.25	\$22.77	\$25.30
51-9123	Painting, Coating, and Decorating Workers	\$7.78	\$9.76	\$7.92	\$8.84	\$10.79
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$11.13	\$15.73	\$12.90	\$16.25	\$18.90
23-2011	Paralegals and Legal Assistants	\$13.79	\$18.36	\$15.00	\$18.15	\$21.35
41-2022	Parts Salespersons	\$7.76	\$12.11	\$8.07	\$10.19	\$15.56
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$12.26	\$17.93	\$13.61	\$17.45	\$20.60
43-3051	Payroll and Timekeeping Clerks	\$11.06	\$14.18	\$12.07	\$13.66	\$16.30
39-9021	Personal and Home Care Aides	\$6.75*	\$7.58	\$6.75*	\$7.51	\$8.39
39-0000	Personal Care and Service Occupations	\$6.75*	\$9.39	\$6.96	\$8.20	\$10.40
39-9099	Personal Care and Service Workers, All Other	\$12.06	\$14.59	\$12.65	\$14.44	\$16.65
37-2021	Pest Control Workers	\$10.17	\$14.54	\$11.00	\$13.60	\$17.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$7.73	\$11.03	\$7.74	\$8.58	\$13.05
29-1051	Pharmacists	\$37.05	\$41.38	\$39.04	\$42.33	\$45.65
31-9095	Pharmacy Aides	\$9.99	\$12.81	\$10.91	\$12.71	\$14.79
29-2052	Pharmacy Technicians	\$11.88	\$14.37	\$12.52	\$14.23	\$16.15
27-4021	Photographers	\$7.49	\$10.93	\$7.85	\$9.28	\$11.01
31-2022	Physical Therapist Aides	\$8.05	\$11.97	\$8.48	\$10.94	\$13.68
31-2021	Physical Therapist Assistants	\$19.01	\$23.10	\$20.78	\$23.69	\$26.07
29-1123	Physical Therapists	\$24.64	\$33.63	\$26.58	\$31.45	\$37.07
29-1071	Physician Assistants	\$26.88	\$38.18	\$28.48	\$33.17	\$39.26
29-1069	Physicians and Surgeons, All Other	\$63.88	(3)	\$58.47	>\$70.00	>\$70.00
47-2161	Plasterers and Stucco Masons	\$12.21	\$17.30	\$13.71	\$16.35	\$18.58
47-2152	Plumbers, Pipefitters, and Steamfitters	\$10.50	\$18.52	\$11.82	\$17.96	\$24.31
33-3051	Police and Sheriff's Patrol Officers	\$19.56	\$23.46	\$20.32	\$23.26	\$26.85
51-5022	Prepress Technicians and Workers	\$9.74	\$13.79	\$10.25	\$12.47	\$16.68
25-2011	Preschool Teachers, Except Special Education	\$8.41	\$11.30	\$9.03	\$10.95	\$13.35
51-5023	Printing Machine Operators	\$9.09	\$14.26	\$10.23	\$13.00	\$18.00
33-9021	Private Detectives and Investigators	\$7.88	\$14.42	\$10.24	\$15.43	\$17.54
43-3061	Procurement Clerks	\$9.57	\$13.47	\$10.61	\$13.20	\$16.16
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.74	\$12.63	\$8.52	\$11.27	\$15.67
51-9199	Production Workers, All Other	\$9.83	\$10.78	\$9.69	\$10.40	\$11.13
43-5061	Production, Planning, and Expediting Clerks	\$10.10	\$16.68	\$11.51	\$17.15	\$20.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-9141	Property, Real Estate, and Community Association Managers	\$7.62	\$15.01	\$8.36	\$12.00	\$20.36
33-0000	Protective Service Occupations	\$7.38	\$17.09	\$8.14	\$18.55	\$23.20
27-3031	Public Relations Specialists	\$6.99	\$16.20	\$7.56	\$16.00	\$22.72
13-1021	Purchasing Agents and Buyers, Farm Products	\$12.01	\$20.76	\$13.10	\$19.20	\$29.76
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$13.32	\$20.19	\$14.89	\$19.88	\$25.34
11-3061	Purchasing Managers	\$20.72	\$31.28	\$24.22	\$31.03	\$36.76
29-2034	Radiologic Technologists and Technicians	\$18.16	\$22.92	\$19.28	\$21.95	\$26.45
43-4171	Receptionists and Information Clerks	\$7.57	\$9.70	\$7.96	\$9.34	\$10.95
39-9032	Recreation Workers	\$6.75*	\$9.11	\$6.75*	\$8.37	\$10.72
49-3092	Recreational Vehicle Service Technicians	\$9.25	\$13.64	\$10.25	\$12.61	\$16.03
53-7081	Refuse and Recyclable Material Collectors	\$11.12	\$13.90	\$12.60	\$14.23	\$15.83
29-1111	Registered Nurses	\$21.99	\$27.30	\$23.13	\$25.98	\$29.02
47-2171	Reinforcing Iron and Rebar Workers	\$10.98	\$20.91	\$11.87	\$23.55	\$29.53
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$8.10	\$10.77	\$8.38	\$11.10	\$12.84
29-1126	Respiratory Therapists	\$17.80	\$21.41	\$18.57	\$20.78	\$23.23
41-2031	Retail Salespersons	\$6.75*	\$10.23	\$7.08	\$8.34	\$10.88
47-2181	Roofers	\$9.67	\$16.07	\$10.58	\$15.84	\$21.30
41-0000	Sales and Related Occupations	\$6.88	\$12.76	\$7.31	\$9.28	\$14.99
41-9031	Sales Engineers	\$20.85	\$32.64	\$24.41	\$31.44	\$41.69
11-2022	Sales Managers	\$19.30	\$36.04	\$21.58	\$33.56	\$48.02
41-3099	Sales Representatives, Services, All Other	\$9.29	\$17.36	\$11.65	\$16.40	\$21.16

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$12.80	\$22.25	\$14.27	\$18.18	\$26.29
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$16.85	\$30.17	\$20.22	\$29.46	\$39.66
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$8.47	\$10.21	\$8.91	\$10.21	\$11.68
43-6014	Secretaries, Except Legal, Medical, and Executive	\$8.61	\$12.68	\$9.34	\$11.03	\$15.97
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$17.55	\$35.57	\$21.26	\$33.61	\$48.88
33-9032	Security Guards	\$6.85	\$8.51	\$7.10	\$7.82	\$8.65
25-3021	Self-Enrichment Education Teachers	\$9.86	\$12.79	\$10.06	\$11.07	\$15.57
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders, Except Glass, Ceramic, and Clay	\$6.75*	\$10.61	\$6.75*	\$7.06	\$14.46
53-6031	Service Station Attendants	\$6.75*	\$7.68	\$6.77	\$7.26	\$8.17
51-6031	Sewing Machine Operators	\$8.09	\$9.45	\$8.71	\$9.49	\$10.46
47-2211	Sheet Metal Workers	\$9.55	\$16.20	\$10.60	\$15.41	\$20.18
43-5071	Shipping, Receiving, and Traffic Clerks	\$8.15	\$11.54	\$8.79	\$10.62	\$13.77
11-9151	Social and Community Service Managers	\$13.32	\$22.98	\$14.02	\$23.15	\$29.33
21-1093	Social and Human Service Assistants	\$8.84	\$13.74	\$9.69	\$13.00	\$17.10
51-8021	Stationary Engineers and Boiler Operators	\$13.97	\$20.20	\$14.75	\$20.01	\$23.67
43-5081	Stock Clerks and Order Fillers	\$7.51	\$10.87	\$8.09	\$10.29	\$12.86
47-2221	Structural Iron and Steel Workers	\$13.49	\$19.21	\$15.26	\$18.74	\$21.20
51-2041	Structural Metal Fabricators and Fitters	\$10.31	\$15.46	\$11.26	\$16.09	\$18.67
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$11.40	\$14.22	\$12.32	\$14.40	\$16.00
29-1067	Surgeons	(3)	(3)	>\$70.00	>\$70.00	>\$70.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2055	Surgical Technologists	\$13.51	\$17.06	\$14.29	\$16.40	\$19.47
17-3031	Surveying and Mapping Technicians	\$14.17	\$22.82	\$17.03	\$19.82	\$24.59
17-1022	Surveyors	\$17.27	\$22.84	\$19.18	\$22.28	\$25.94
43-2011	Switchboard Operators, Including Answering Service	\$8.38	\$11.04	\$9.04	\$10.75	\$12.88
53-7121	Tank Car, Truck, and Ship Loaders	\$12.70	\$13.31	\$12.51	\$13.38	\$14.26
47-2082	Tapers	\$17.41	\$22.07	\$18.41	\$21.32	\$26.10
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$22.07	\$26.90	\$23.89	\$26.99	\$31.36
51-2092	Team Assemblers	\$8.16	\$13.60	\$8.98	\$12.42	\$17.73
27-3042	Technical Writers	\$14.99	\$31.56	\$19.16	\$30.86	\$40.09
41-9041	Telemarketers	\$7.30	\$11.38	\$7.81	\$10.72	\$13.89
43-3071	Tellers	\$8.25	\$9.96	\$8.64	\$9.71	\$10.86
47-2044	Tile and Marble Setters	\$14.25	\$19.10	\$16.24	\$19.37	\$21.30
49-3093	Tire Repairers and Changers	\$8.31	\$11.46	\$8.99	\$12.15	\$13.42
23-2093	Title Examiners, Abstractors, and Searchers	\$15.06	\$21.30	\$16.78	\$21.34	\$25.41
51-4111	Tool and Die Makers	\$9.53	\$17.51	\$10.66	\$19.13	\$22.66
51-4194	Tool Grinders, Filers, and Sharpeners	\$8.33	\$12.09	\$9.23	\$11.55	\$13.55
13-1073	Training and Development Specialists	\$13.17	\$22.76	\$14.89	\$20.69	\$30.30
53-0000	Transportation and Material Moving Occupations	\$7.39	\$12.08	\$8.19	\$11.01	\$15.04
11-3071	Transportation, Storage, and Distribution Managers	\$13.99	\$24.58	\$18.44	\$23.07	\$32.18
41-3041	Travel Agents	\$9.21	\$11.01	\$9.59	\$10.69	\$12.10
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$11.07	\$14.92	\$12.17	\$14.48	\$17.05
53-3033	Truck Drivers, Light or Delivery Services	\$8.71	\$12.43	\$9.48	\$12.00	\$15.45
51-6093	Upholsterers	\$7.85	\$10.22	\$8.28	\$9.46	\$12.16

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-3051	Urban and Regional Planners	\$16.51	\$24.61	\$17.25	\$24.02	\$28.95
29-1131	Veterinarians	\$24.32	\$40.27	\$27.59	\$34.11	\$52.99
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$7.10	\$8.22	\$7.24	\$7.89	\$8.66
29-2056	Veterinary Technologists and Technicians	\$9.82	\$12.57	\$10.41	\$12.18	\$14.53
35-3031	Waiters and Waitresses	\$6.75*	\$7.49	\$6.75*	\$7.02	\$8.14
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$12.29	\$17.06	\$13.81	\$16.61	\$20.79
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$7.66	\$9.61	\$7.72	\$8.57	\$10.54
51-4121	Welders, Cutters, Solderers, and Brazers	\$10.54	\$14.37	\$11.61	\$13.67	\$16.80
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$10.87	\$14.54	\$11.60	\$13.58	\$16.59
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$10.18	\$17.78	\$11.06	\$15.83	\$20.82
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$8.62	\$10.03	\$8.92	\$9.83	\$10.94
43-9022	Word Processors and Typists	\$8.40	\$11.54	\$9.28	\$11.10	\$13.18

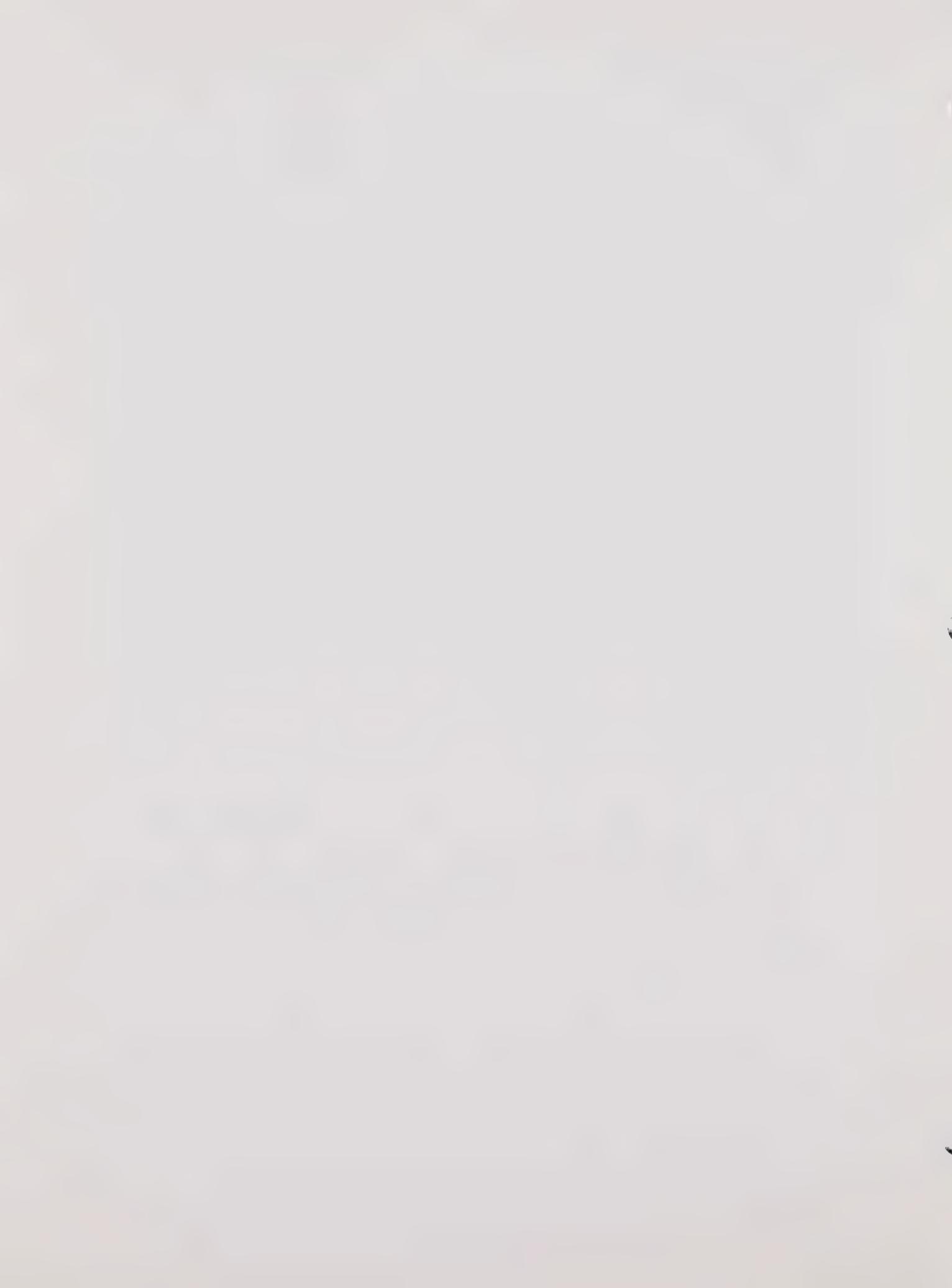
## Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
  - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
  - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated.  
This may occasionally apply to the entry-level wage as well.
  - (4) An estimate of employment could not be provided.
  - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- \* The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

**Source:** Employment Development Department  
Labor Market Information Division  
(916) 262-2162

*Projections  
& Planning  
Information*

## **Module F:** **Social &** **Economic Data**



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# Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

## Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

**[www.calmis.ca.gov](http://www.calmis.ca.gov)**

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

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**TABLE 1**  
**PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM**  
**2000 - 2002**  
**STANISLAUS COUNTY**

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a) . . . . .	24,536	22,464	20,106	1,331,704
Adults . . . . .	5,941	5,508	4,905	297,063
Children . . . . .	18,595	16,956	15,201	1,034,641
Food Stamps (b) . . . . .	32,813	30,361	30,061	1,529,445
General Relief (c) . . . . .	248	216	274	95,718
Refugee Cash Assistance (d) . . . . .	79	59	14	1,362
Welfare to Work (e) . . . . .	5,851	5,632	5,903	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;  
General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

**TABLE 2**  
**PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)**  
**CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER**  
**2000 - 2002**  
**STANISLAUS COUNTY**

Characteristics	July			CALIFORNIA July 2002
	2000	2001	2002	
Total Recipients 16+ (a) (b) . . . . .	8,500	7,780	6,960	461,210
Male . . . . .	1,630	1,490	1,330	88,310
Female . . . . .	6,880	6,290	5,630	373,040
16-20. . . . .	1,790	1,640	1,470	97,300
21-44 . . . . .	6,060	5,540	4,960	328,710
45-54 . . . . .	520	470	420	28,150
55+ . . . . .	130	120	110	7,200
White (Not Hispanic) . . . . .	4,170	3,750	3,300	113,140
Black (Not Hispanic) . . . . .	610	570	470	101,960
Hispanic . . . . .	2,900	2,720	2,560	206,470
Asian & Pacific Islander . . . . .	770	700	600	33,350
American Indian . . . . .	40	40	30	3,290
Filipino . . . . .	10	10	10	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce,  
Bureau of the Census; Detailed data by sex, age, and race/ethnicity are  
extrapolations based on aggregate figures provided by the Department of  
Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services  
Internet address at: <http://www.dss.cahwnet.gov/research>  
See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

**TABLE 3**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**STANISLAUS COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	5,280	6,420	1,140	21.6	\$21,282	\$8.34
49023	CASHIERS	3,870	4,810	940	24.3	\$18,807	\$7.85
55347	GENERAL OFFICE CLERKS	3,200	3,810	610	19.1	\$23,192	\$10.64
65041	COMBINED FOOD PREP AND SERVICE	2,580	3,110	530	20.5	\$15,524	\$7.17
19005	GENERAL MANAGERS, TOP EXECUTIVES	3,320	3,830	510	15.4	(4)	(4)
97105	TRUCK DRIVERS, LIGHT	2,160	2,620	460	21.3	\$25,843	\$12.00
31521	TEACHER AIDES, PARAPROFESSIONAL	1,550	1,960	410	26.5	(5)	(5)
65008	WAITERS AND WAITRESSES	1,910	2,310	400	20.9	\$15,575	\$7.02
97102	TRUCK DRIVERS, HEAVY	2,350	2,730	380	16.2	\$31,031	\$14.48
31305	TEACHERS-ELEMENTARY SCHOOL	3,220	3,580	360	11.2	\$48,850	(6)
93956	ASSEMB, FABRICATORS-EX MACH, ELEC	1,130	1,430	300	26.5	\$21,003	\$9.04
79041	LABORERS, LANDSCAPING/GROUNDSKEEPERS	1,620	1,910	290	17.9	\$22,537	\$10.17
87102	CARPENTERS	1,200	1,470	270	22.5	\$36,023	\$16.75
98902	HAND PACKERS AND PACKAGERS	1,160	1,420	260	22.4	\$18,470	\$8.10
63014	POLICE PATROL OFFICERS	940	1,190	250	26.6	\$48,800	\$23.26
92974	PACKAGING, FILLING MACH OPS, TNDRS	2,630	2,850	220	8.4	\$26,385	\$12.77
32502	REGISTERED NURSES	2,190	2,400	210	9.6	\$56,767	\$25.98
49021	STOCK CLERKS--SALES FLOOR	1,700	1,910	210	12.4	\$22,599	\$10.29
63047	GUARDS AND WATCH GUARDS	700	910	210	30.0	\$17,713	\$7.82
65038	FOOD PREPARATION WORKERS	1,610	1,820	210	13.0	\$16,987	\$7.57

Source: Employment Development Department, Labor Market Information Division,

Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at [www.calmis.ca.gov](http://www.calmis.ca.gov)

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Modesto Metropolitan Statistical Area (MSA), which includes Stanislaus County.

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage \$107,442 - Median Hourly Wage \$52.41;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$58,695 - Median Hourly Wage \$24.90;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$74,962 - Median Hourly Wage \$33.56;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(5) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$23,169 - Median Hourly Wage See (6)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$30,184 - Median Hourly Wage \$13.02

(6) For some occupations, workers may not work full-time all year-round. For these occupations it is not

feasible to calculate an hourly wage.

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 1 — San Diego Metropolitan Statistical Area**

**San Diego**

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area**

Anaheim	Los Angeles County	San Bernardino County
Carson/Lomita/Torrance	Orange County	SELACO
Foothill	Riverside County	South Bay
Long Beach	Santa Ana	Ventura
Los Angeles City	San Bernardino City	Verdugo

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area**

Alameda	Oakland	Santa Cruz					
Contra Costa	Richmond	Solano					
Marin	San Francisco	Sonoma					
Napa	San Jose						
NOVA	San Mateo						
		Family Size					
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 4 — Other Metropolitan Areas**

Fresno	NoRTEC	Stanislaus					
Golden Sierra	North Central	Tulare					
Kern/Inyo/Mono	Sacramento	Yolo					
Merced	San Joaquin						
Monterey	Santa Barbara						
		Family Size					
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 5 — Nonmetropolitan Areas**

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,  
Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

LWIA NAME: STANISLAUS COUNTY  
JURISDICTIONS INCLUDED: STANISLAUS COUNTY

JANUARY 10, 2003

**CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS**

**LABOR FORCE STATUS (1)**

EMPLOYED	192,006
UNEMPLOYED	23,543
UNEMPLOYMENT RATE	10.9
NOT IN LABOR FORCE (2)	122,985

**2002 VETERAN INFORMATION**

TOTAL VETERANS (3)	27,116
MALE	25,677
FEMALE	1,439
VIETNAM ERA VETERANS - CENSUS 2000 (4)	10,057

DISABLED VETERANS (5)	2,831
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OFFENDERS (6)	6,441
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% OF PEOPLE IN POVERTY: STANISLAUS COUNTY, 1998 (7)	17.2
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**1990 CENSUS (8)**

FAMILIES IN POVERTY AS A % OF ALL FAMILIES	11.4
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**CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)**

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
<b>TOTAL ECONOMIC DISADVAN</b>	2,604	100.0	5,496	100.0	23,632	100.0	3,838	100.0	32,966	100.0
<b>BY RACE:</b>										
WHITE NOT HISPANIC	904	34.7	2,885	52.5	12,148	51.4	2,708	70.6	17,741	53.8
BLACK NOT HISPANIC	62	2.4	117	2.1	539	2.3	179	4.7	835	2.5
AMERICAN INDIAN NOT HISP	24	0.9	17	0.3	406	1.7	69	1.8	492	1.5
ASIAN NOT HISPANIC	470	18.0	758	13.8	2,578	10.9	203	5.3	3,539	10.7
PACIFIC ISLAND NOT HISP	0	0	0	0	42	0.2	0	0	42	0.1
HISPANIC	1,144	44.0	1,718	31.3	7,920	33.5	678	17.7	10,316	31.3
<b>BY SEX:</b>										
MALE	1,414	54.3	2,542	46.3	8,985	38.0	1,738	45.3	13,265	40.2
FEMALE	1,190	45.7	2,954	53.7	14,647	62.0	2,100	54.7	19,701	59.8
<b>HIGH SCHOOL EXPERIENCE:</b>										
DROPOUTS	219	8.4	1,584	28.8	11,798	49.9	2,397	62.5	15,779	47.9
GRADUATES	0	0	230	4.2	4,270	18.1	693	18.1	5,193	15.8
STUDENTS	1,008	38.7	2,103	38.3	550	2.3	0	0	2,653	8.0
<b>DISABLED</b>	79	3.0	515	9.4	4,708	19.9	1,783	46.4	7,006	21.3
<b>LIMITED ENGLISH PROF</b>	102	3.9	531	9.7	5,449	23.1	429	11.2	6,409	19.4

**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division, Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

**Table DP-1. Profile of General Demographic Characteristics: 2000**

Geographic Area: Stanislaus County, California

For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population.....	446,997	100.0	<b>HISPANIC OR LATINO AND RACE</b>		
SEX AND AGE			Total population.....	446,997	100.0
Male.....	219,912	49.2	Hispanic or Latino (of any race).....	141,871	31.7
Female.....	227,085	50.8	Mexican.....	119,252	26.7
Under 5 years.....	35,582	8.0	Puerto Rican.....	1,947	0.4
5 to 9 years.....	40,203	9.0	Cuban.....	290	0.1
10 to 14 years.....	40,289	9.0	Other Hispanic or Latino.....	20,382	4.6
15 to 19 years.....	37,025	8.3	Not Hispanic or Latino.....	305,126	68.3
20 to 24 years.....	30,029	6.7	White alone.....	256,001	57.3
25 to 34 years.....	60,880	13.6	<b>RELATIONSHIP</b>		
35 to 44 years.....	68,921	15.4	Total population.....	446,997	100.0
45 to 54 years.....	54,248	12.1	In households.....	439,508	98.3
55 to 59 years.....	18,528	4.1	Householder.....	145,146	32.5
60 to 64 years.....	14,595	3.3	Spouse.....	81,323	18.2
65 to 74 years.....	24,405	5.5	Child.....	155,878	34.9
75 to 84 years.....	16,473	3.7	Own child under 18 years.....	121,575	27.2
85 years and over.....	5,819	1.3	Other relatives.....	33,829	7.6
Median age (years).....	31.7	(X)	Under 18 years.....	13,428	3.0
18 years and over.....	307,775	68.9	Nonrelatives.....	23,332	5.2
Male.....	148,671	33.3	Unmarried partner.....	9,137	2.0
Female.....	159,104	35.6	In group quarters.....	7,489	1.7
21 years and over.....	287,404	64.3	Institutionalized population.....	3,440	0.8
62 years and over.....	55,178	12.3	Noninstitutionalized population.....	4,049	0.9
65 years and over.....	46,697	10.4	<b>HOUSEHOLD BY TYPE</b>		
Male.....	19,491	4.4	Total households.....	145,146	100.0
Female.....	27,206	6.1	Family households (families).....	109,517	75.5
<b>RACE</b>			With own children under 18 years.....	59,819	41.2
One race.....	422,662	94.6	Married-couple family.....	81,323	56.0
White.....	309,901	69.3	With own children under 18 years.....	42,984	29.6
Black or African American.....	11,521	2.6	Female householder, no husband present.....	19,859	13.7
American Indian and Alaska Native.....	5,676	1.3	With own children under 18 years.....	12,176	8.4
Asian.....	18,848	4.2	Nonfamily households.....	35,629	24.5
Asian Indian.....	4,952	1.1	Householder living alone.....	28,211	19.4
Chinese.....	1,980	0.4	Householder 65 years and over.....	11,408	7.9
Filipino.....	3,085	0.7	<b>AVERAGE HOUSEHOLD SIZE</b>		
Japanese.....	726	0.2	Households with individuals under 18 years.....	66,426	45.8
Korean.....	505	0.1	Households with individuals 65 years and over.....	32,662	22.5
Vietnamese.....	1,234	0.3	Average household size.....	3.03	(X)
Other Asian <sup>1</sup> .....	6,366	1.4	Average family size.....	3.47	(X)
Native Hawaiian and Other Pacific Islander.....	1,529	0.3	<b>HOUSING OCCUPANCY</b>		
Native Hawaiian.....	256	0.1	Total housing units.....	150,807	100.0
Guamanian or Chamorro.....	167	-	Occupied housing units.....	145,146	96.2
Samoan.....	243	0.1	Vacant housing units.....	5,661	3.8
Other Pacific Islander <sup>2</sup> .....	863	0.2	For seasonal, recreational, or occasional use.....	455	0.3
Some other race.....	75,187	16.8	Homeowner vacancy rate (percent).....	1.3	(X)
Two or more races.....	24,335	5.4	Rental vacancy rate (percent).....	3.2	(X)
<b>Race alone or in combination with one or more other races:</b> <sup>3</sup>			<b>HOUSING TENURE</b>		
White.....	330,141	73.9	Occupied housing units.....	145,146	100.0
Black or African American.....	14,187	3.2	Owner-occupied housing units.....	89,886	61.9
American Indian and Alaska Native.....	11,241	2.5	Renter-occupied housing units.....	55,260	38.1
Asian.....	24,464	5.5	Average household size of owner-occupied units.....	3.03	(X)
Native Hawaiian and Other Pacific Islander.....	3,567	0.8	Average household size of renter-occupied units.....	3.03	(X)
Some other race.....	89,113	19.9			

- Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup> Other Asian alone, or two or more Asian categories.<sup>2</sup> Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.<sup>3</sup> In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

**Table DP-2. Profile of Selected Social Characteristics: 2000**

Geographic area: Stanislaus County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>SCHOOL ENROLLMENT</b>			<b>NATIVITY AND PLACE OF BIRTH</b>		
Population 3 years and over enrolled in school .....	136,838	100.0	Total population.....	446,997	100.0
Nursery school, preschool .....	6,441	4.7	Native.....	365,382	81.7
Kindergarten .....	7,998	5.8	Born in United States .....	362,170	81.0
Elementary school (grades 1-8) .....	66,432	48.5	State of residence .....	280,069	62.7
High school (grades 9-12) .....	31,847	23.3	Different state .....	82,101	18.4
College or graduate school .....	24,120	17.6	Born outside United States .....	3,212	0.7
			Foreign born .....	81,615	18.3
			Entered 1990 to March 2000 .....	27,701	6.2
			Naturalized citizen .....	30,603	6.8
			Not a citizen .....	51,012	11.4
<b>EDUCATIONAL ATTAINMENT</b>			<b>REGION OF BIRTH OF FOREIGN BORN</b>		
Population 25 years and over .....	264,578	100.0	Total (excluding born at sea).....	81,615	100.0
Less than 9th grade .....	36,135	13.7	Europe .....	7,363	9.0
9th to 12th grade, no diploma .....	42,292	16.0	Asia .....	16,979	20.8
High school graduate (includes equivalency) .....	68,945	26.1	Africa .....	426	0.5
Some college, no degree .....	62,493	23.6	Oceania .....	2,510	3.1
Associate degree .....	17,534	6.6	Latin America .....	53,446	65.5
Bachelor's degree .....	25,454	9.6	Northern America .....	891	1.1
Graduate or professional degree .....	11,725	4.4			
Percent high school graduate or higher .....	70.4	(X)			
Percent bachelor's degree or higher .....	14.1	(X)	<b>LANGUAGE SPOKEN AT HOME</b>		
			Population 5 years and over .....	411,833	100.0
<b>MARITAL STATUS</b>			English only .....	278,370	67.6
Population 15 years and over .....	330,444	100.0	Language other than English .....	133,463	32.4
Never married .....	84,955	25.7	Speak English less than "very well" .....	64,318	15.6
Now married, except separated .....	184,054	55.7	Spanish .....	97,137	23.6
Separated .....	7,863	2.4	Speak English less than "very well" .....	48,468	11.8
Widowed .....	19,327	5.8	Other Indo-European languages .....	17,166	4.2
Female .....	15,952	4.8	Speak English less than "very well" .....	6,582	1.6
Divorced .....	34,245	10.4	Asian and Pacific Island languages .....	11,478	2.8
Female .....	19,671	6.0	Speak English less than "very well" .....	6,006	1.5
<b>GRANDPARENTS AS CAREGIVERS</b>			<b>ANCESTRY (single or multiple)</b>		
Grandparent living in household with one or more own grandchildren under 18 years .....	12,494	100.0	Total population.....	446,997	100.0
Grandparent responsible for grandchildren .....	4,894	39.2	Total ancestries reported .....	456,262	102.1
<b>VETERAN STATUS</b>			Arab .....	1,315	0.3
Civilian population 18 years and over .....	308,053	100.0	Czech <sup>1</sup> .....	1,065	0.2
Civilian veterans .....	32,806	10.6	Danish .....	2,896	0.6
<b>DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION</b>			Dutch .....	9,007	2.0
Population 5 to 20 years .....	124,183	100.0	English .....	33,479	7.5
With a disability .....	10,213	8.2	French (except Basque) <sup>1</sup> .....	9,845	2.2
Population 21 to 64 years .....	239,413	100.0	French Canadian <sup>1</sup> .....	1,369	0.3
With a disability .....	56,530	23.6	German .....	46,445	10.4
Percent employed .....	47.1	(X)	Greek .....	1,675	0.4
No disability .....	182,883	76.4	Hungarian .....	670	0.1
Percent employed .....	70.5	(X)	Irish <sup>1</sup> .....	35,110	7.9
Population 65 years and over .....	44,639	100.0	Italian .....	16,953	3.8
With a disability .....	20,948	46.9	Lithuanian .....	155	-
<b>RESIDENCE IN 1995</b>			Norwegian .....	6,228	1.4
Population 5 years and over .....	411,833	100.0	Polish .....	3,360	0.8
Same house in 1995 .....	209,340	50.8	Portuguese .....	22,115	4.9
Different house in the U.S. in 1995 .....	191,487	46.5	Russian .....	1,290	0.3
Same county .....	128,082	31.1	Scotch-Irish .....	5,235	1.2
Different county .....	63,405	15.4	Scottish .....	5,513	1.2
Same state .....	52,374	12.7	Slovak .....	134	-
Different state .....	11,031	2.7	Subsaharan African .....	879	0.2
Elsewhere in 1995 .....	11,006	2.7	Swedish .....	8,128	1.8
			Swiss .....	2,557	0.6
			Ukrainian .....	745	0.2
			United States or American .....	22,295	5.0
			Welsh .....	2,359	0.5
			West Indian (excluding Hispanic groups) .....	245	0.1
			Other ancestries .....	215,195	48.1

-Represents zero or rounds to zero. (X) Not applicable.

'The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

### Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Stanislaus County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>EMPLOYMENT STATUS</b>			<b>INCOME IN 1999</b>		
Population 16 years and over .....	322,469	100.0	Households.....	145,253	100.0
In labor force .....	197,448	61.2	Less than \$10,000.....	13,542	9.3
Civilian labor force .....	197,320	61.2	\$10,000 to \$14,999.....	10,035	6.9
Employed .....	174,328	54.1	\$15,000 to \$24,999.....	20,413	14.1
Unemployed .....	22,992	7.1	\$25,000 to \$34,999.....	19,387	13.3
Percent of civilian labor force .....	11.7	(X)	\$35,000 to \$49,999.....	25,122	17.3
Armed Forces .....	128	-	\$50,000 to \$74,999.....	29,155	20.1
Not in labor force .....	125,021	38.8	\$75,000 to \$99,999.....	14,410	9.9
Females 16 years and over .....	167,099	100.0	\$100,000 to \$149,999.....	8,954	6.2
In labor force .....	89,446	53.5	\$150,000 to \$199,999.....	1,879	1.3
Civilian labor force .....	89,442	53.5	\$200,000 or more .....	2,356	1.6
Employed .....	77,535	46.4	Median household income (dollars).....	40,101	(X)
Own children under 6 years.....	40,050	100.0	With earnings.....	117,085	80.6
All parents in family in labor force .....	21,188	52.9	Mean earnings (dollars) <sup>1</sup> .....	51,412	(X)
<b>COMMUTING TO WORK</b>			With Social Security income .....	36,506	25.1
Workers 16 years and over .....	170,169	100.0	Mean Social Security income (dollars) <sup>1</sup> .....	10,960	(X)
Car, truck, or van -- drove alone.....	130,788	76.9	With Supplemental Security Income .....	11,029	7.6
Car, truck, or van -- carpooled.....	25,575	15.0	Mean Supplemental Security Income (dollars) <sup>1</sup> .....	7,061	(X)
Public transportation (including taxicab).....	1,645	1.0	With public assistance income .....	9,151	6.3
Walked.....	4,072	2.4	Mean public assistance income (dollars) <sup>1</sup> .....	4,699	(X)
Other means.....	2,601	1.5	With retirement income .....	23,675	16.3
Worked at home .....	5,488	3.2	Mean retirement income (dollars) <sup>1</sup> .....	14,567	(X)
Mean travel time to work (minutes) <sup>1</sup> .....	26.8	(X)	<b>Families</b> .....	110,249	100.0
Employed civilian population			Less than \$10,000.....	7,264	6.6
16 years and over .....	174,328	100.0	\$10,000 to \$14,999.....	6,291	5.7
<b>OCCUPATION</b>			\$15,000 to \$24,999.....	14,181	12.9
Management, professional, and related occupations .....	46,182	26.5	\$25,000 to \$34,999.....	14,208	12.9
Service occupations .....	26,856	15.4	\$35,000 to \$49,999.....	19,725	17.9
Sales and office occupations .....	44,706	25.6	\$50,000 to \$74,999.....	24,682	22.4
Farming, fishing, and forestry occupations.....	6,226	3.6	\$75,000 to \$99,999.....	12,425	11.3
Construction, extraction, and maintenance occupations .....	19,877	11.4	\$100,000 to \$149,999.....	7,779	7.1
Production, transportation, and material moving occupations .....	30,481	17.5	\$150,000 to \$199,999.....	1,633	1.5
Median family income (dollars).....			\$200,000 or more .....	2,061	1.9
Per capita income (dollars) <sup>1</sup> .....			Median family income (dollars).....	44,703	(X)
<b>INDUSTRY</b>			Per capita income (dollars) <sup>1</sup> .....	16,913	(X)
Agriculture, forestry, fishing and hunting, and mining .....	9,715	5.6	<b>Median earnings (dollars):</b>		
Construction .....	13,943	8.0	Male full-time, year-round workers .....	36,969	(X)
Manufacturing .....	25,469	14.6	Female full-time, year-round workers .....	26,595	(X)
Wholesale trade .....	7,447	4.3			
Retail trade .....	21,687	12.4			
Transportation and warehousing, and utilities .....	9,153	5.3			
Information .....	3,379	1.9			
Finance, insurance, real estate, and rental and leasing .....	7,881	4.5			
Professional, scientific, management, administrative, and waste management services .....	12,874	7.4			
Educational, health and social services .....	34,825	20.0			
Arts, entertainment, recreation, accommodation and food services .....	11,876	6.8			
Other services (except public administration) .....	9,273	5.3			
Public administration .....	6,806	3.9			
<b>CLASS OF WORKER</b>					
Private wage and salary workers .....	133,672	76.7	<b>POVERTY STATUS IN 1999</b>		
Government workers .....	25,555	14.7	<b>Families</b> .....	13,547	12.3
Self-employed workers in own not incorporated business .....	14,197	8.1	With related children under 18 years .....	11,401	17.3
Unpaid family workers .....	904	0.5	With related children under 5 years .....	5,774	21.4
			<b>Families with female householder, no husband present</b> .....	5,833	30.7
			With related children under 18 years .....	5,200	38.6
			With related children under 5 years .....	2,454	50.6
			<b>Individuals</b> .....	70,406	16.0
			18 years and over .....	41,859	13.7
			65 years and over .....	3,938	8.8
			Related children under 18 years .....	27,622	20.5
			Related children 5 to 17 years .....	19,954	19.9
			Unrelated individuals 15 years and over .....	16,724	28.9

-Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup>If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: Stanislaus County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>Total housing units.....</b>	<b>150,807</b>	<b>100.0</b>	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			<b>Occupied housing units .....</b>	<b>145,146</b>	<b>100.0</b>
1-unit, detached.....	109,509	72.6	1.00 or less.....	125,015	86.1
1-unit, attached.....	7,190	4.8	1.01 to 1.50.....	10,216	7.0
2 units.....	4,486	3.0	1.51 or more.....	9,915	6.8
3 or 4 units.....	6,043	4.0			
5 to 9 units.....	3,675	2.4	<b>Specified owner-occupied units.....</b>	<b>77,710</b>	<b>100.0</b>
10 to 19 units.....	1,880	1.2			
20 or more units.....	9,574	6.3	<b>VALUE</b>		
Mobile home.....	8,196	5.4	Less than \$50,000.....	923	1.2
Boat, RV, van, etc.....	254	0.2	\$50,000 to \$99,999.....	19,340	24.9
			\$100,000 to \$149,999.....	33,938	43.7
			\$150,000 to \$199,999.....	13,537	17.4
			\$200,000 to \$299,999.....	6,868	8.8
			\$300,000 to \$499,999.....	2,299	3.0
<b>YEAR STRUCTURE BUILT</b>			\$500,000 to \$999,999.....	666	0.9
1999 to March 2000.....	3,009	2.0	\$1,000,000 or more.....	139	0.2
1995 to 1998.....	7,721	5.1	Median (dollars).....	125,300	(X)
1990 to 1994.....	16,323	10.8			
1980 to 1989.....	32,635	21.6			
1970 to 1979.....	34,669	23.0			
1960 to 1969.....	19,656	13.0	<b>MORTGAGE STATUS AND SELECTED</b>		
1940 to 1959.....	26,954	17.9	<b>MONTHLY OWNER COSTS</b>		
1939 or earlier.....	9,840	6.5	With a mortgage.....	61,542	79.2
			Less than \$300.....	212	0.3
<b>ROOMS</b>			\$300 to \$499.....	2,236	2.9
1 room.....	2,677	1.8	\$500 to \$699.....	5,263	6.8
2 rooms.....	9,474	6.3	\$700 to \$999.....	16,626	21.4
3 rooms.....	18,014	11.9	\$1,000 to \$1,499.....	24,291	31.3
4 rooms.....	23,052	15.3	\$1,500 to \$1,999.....	9,026	11.6
5 rooms.....	37,517	24.9	\$2,000 or more.....	3,888	5.0
6 rooms.....	30,689	20.3	Median (dollars).....	1,112	(X)
7 rooms.....	17,447	11.6	Not mortgaged.....	16,168	20.8
8 rooms.....	7,383	4.9	Median (dollars).....	269	(X)
9 or more rooms.....	4,554	3.0			
Median (rooms).....	5.1	(X)	<b>SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1999</b>		
<b>Occupied housing units.....</b>	<b>145,146</b>	<b>100.0</b>	Less than 15.0 percent.....	21,898	28.2
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			15.0 to 19.9 percent.....	12,440	16.0
1999 to March 2000.....	29,941	20.6	20.0 to 24.9 percent.....	11,727	15.1
1995 to 1998.....	44,983	31.0	25.0 to 29.9 percent.....	9,067	11.7
1990 to 1994.....	25,582	17.6	30.0 to 34.9 percent.....	5,893	7.6
1980 to 1989.....	22,758	15.7	35.0 percent or more.....	16,227	20.9
1970 to 1979.....	12,912	8.9	Not computed.....	458	0.6
1969 or earlier.....	8,970	6.2			
<b>VEHICLES AVAILABLE</b>			<b>Specified renter-occupied units.....</b>	<b>53,840</b>	<b>100.0</b>
None.....	12,423	8.6	<b>GROSS RENT</b>		
1.....	46,637	32.1	Less than \$200.....	1,029	1.9
2.....	57,787	39.8	\$200 to \$299.....	2,070	3.8
3 or more.....	28,299	19.5	\$300 to \$499.....	11,499	21.4
			\$500 to \$749.....	23,256	43.2
			\$750 to \$999.....	11,036	20.5
<b>HOUSE HEATING FUEL</b>					
Utility gas.....	97,130	66.9	\$1,000 to \$1,499.....	2,547	4.7
Bottled, tank, or LP gas.....	4,554	3.1	\$1,500 or more.....	280	0.5
Electricity.....	38,846	26.8	No cash rent.....	2,123	3.9
Fuel oil, kerosene, etc.....	133	0.1	Median (dollars).....	611	(X)
Coal or coke.....	11	-			
Wood.....	3,410	2.3	<b>GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1999</b>		
Solar energy.....	48	-	Less than 15.0 percent.....	8,031	14.9
Other fuel.....	302	0.2	15.0 to 19.9 percent.....	7,597	14.1
No fuel used.....	712	0.5	20.0 to 24.9 percent.....	6,580	12.2
			25.0 to 29.9 percent.....	5,544	10.3
			30.0 to 34.9 percent.....	4,166	7.7
<b>SELECTED CHARACTERISTICS</b>					
Lacking complete plumbing facilities.....	827	0.6	35.0 percent or more.....	18,877	35.1
Lacking complete kitchen facilities.....	834	0.6	Not computed.....	3,045	5.7
No telephone service.....	2,702	1.9			

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

# Explanation Of Terms And Concepts

**American Indian and Alaska Native:** A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

**Asian:** A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

**Black or African American:** A person having origins in any of the Black racial groups of Africa.

**CalWORKs:** California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

**Food Stamp Recipient:** A person receiving food stamp coupons that can be exchanged for groceries.

**General Relief:** A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

**Hispanic:** Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

**Native Hawaiian and Other Pacific Islander:** A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

**Public Assistance Recipient:** A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

**Refugee Cash Assistance:** A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

**Some Other Race:** Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

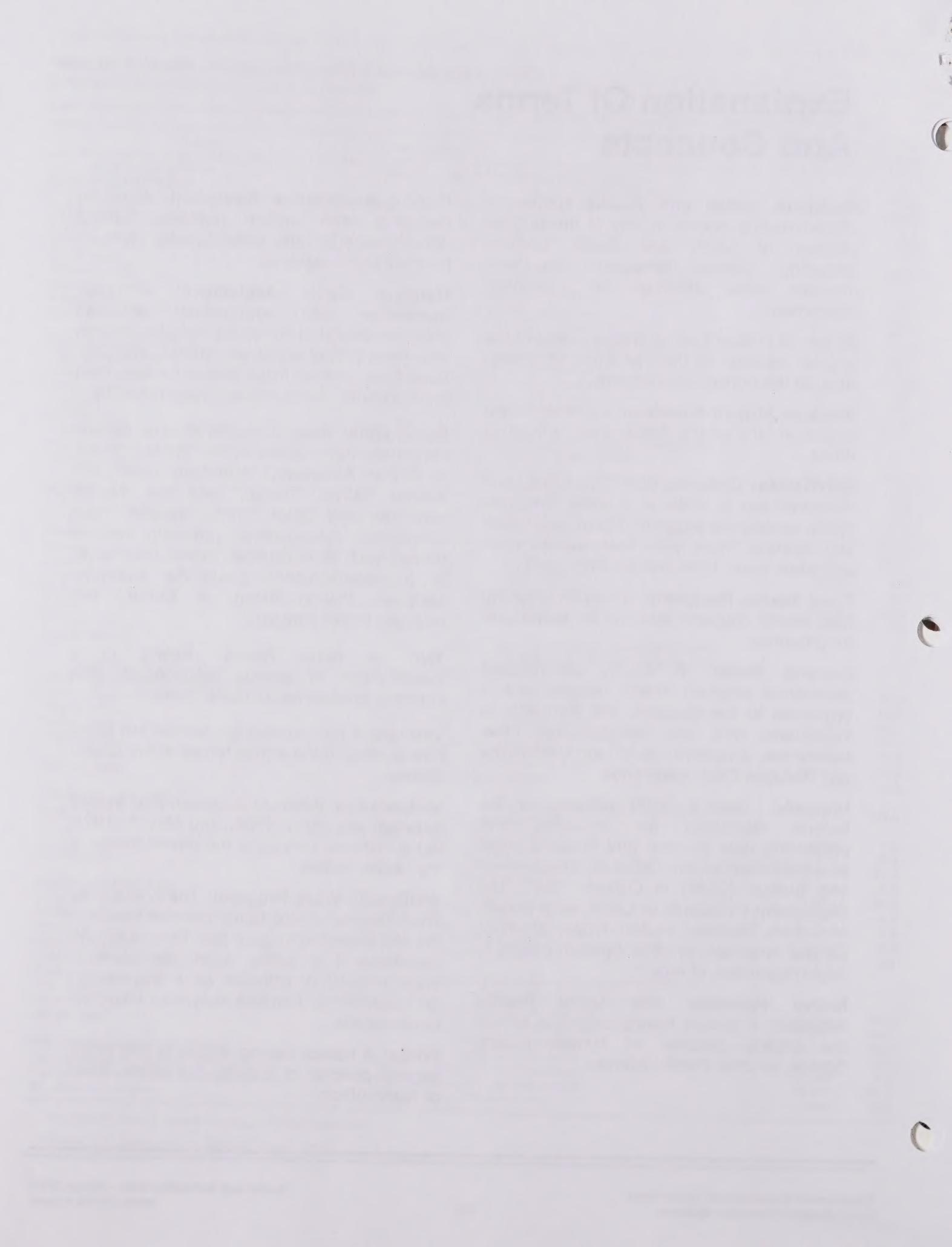
**Two or More Races:** Refers to a classification of census respondents who chose to provide two or more races.

**Veteran:** A person who has served but is not now serving in the armed forces of the United States.

**Vietnam-Era Veteran:** A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

**Welfare-To-Work Program:** The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

**White:** A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



# Labor Market Information For Nondiscrimination Programs

## STANISLAUS COUNTY

This report contains 1990 census population, labor force data, and occupational information for use in developing nondiscrimination programs, as required for federal and state contract compliance. The information in this series of reports is presented by county, because a county often constitutes the normal recruiting area for employers. However, separate reports are available for multi-county Metropolitan Statistical Areas (MSAs) and Consolidated Metropolitan Statistical Areas (CMSAs). Employers may wish to combine data for two or more counties, to co-

incide with the particular boundaries of their firm's recruiting area. The occupational groups listed in this report are those most often used in developing nondiscrimination programs (see next page for a comparison with California Department of Fair Employment and Housing's job categories). If more information about specific occupations is needed, the California Department of Finance's State Census Data Center, (916) 323-4086, has an 86-page detailed occupation report available for purchase.

Technical Note: This information is drawn from the 1990 Census of Population and Housing. The population data in Table 1 and the labor force data in Tables 2A, 2B and 2C are from Summary Tape File 4B. The occupational information in Tables 3, 4 and 5 is from the Equal Employment Opportunity (EEO) File.

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- Table 1 Total Population by Race/Ethnicity and Sex
- Table 2A Labor Force Status of Persons 16 years and over by Race/Ethnicity and Sex
- Table 2B Disability Status by Sex Civilian Noninstitutional Persons 16 to 64 years old
- Table 2C Labor Force Status by Weeks Worked
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### Information Needed

- Minority Population
- Minority Employment/Unemployment Rate
- Minority Labor Force by Occupational Group
- Female Population
- Female Labor Force/Unemployment Rate
- Female Labor Force by Occupational Group
- Labor Force Status: Weeks Worked
- Labor Force Status: Work Disability

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- Table 2A
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### Note to Users

The information contained in this publication is general in nature and is provided to assist employers in meeting nondiscrimination obligations. However, this information may not include all of the specific requirements with which federal and state contractors must conform in making a comprehensive utilization analysis. Reference should be made to Code of Federal Regulations, Title 41, Subtitle B, chapter 60, Section 60-2.11 or California Code of Regulations, Title 2, Division 4, Chapter 5 for complete utilization analysis requirements.

Any questions regarding nondiscrimination requirements should be directed to the government agency issuing the contract or:

U.S. Department of Labor  
 Office of Federal Contract Compliance  
 (415) 848-6969

California Department of Fair Employment and Housing  
 Office of Compliance Programs  
 (916) 227-2888

### Note to California Employer Identification Report (CEIR) Respondents

The job categories listed on the California Employer Identification Report (CEIR) differ from the occupational group titles listed in this report (and the EEO file); however, the occupations contained within the job categories are essentially the same as those included in the occupational groups. Therefore, a direct relationship exists between CEIR job categories and occupational groups listed in this report. The following table shows that relationship:

<u>CEIR Category</u>	<u>EDD/EEO Occupational Group</u>
Officials and Managers	Executive, Administrative, and Managerial
Professional	Professional Specialty
Technicians	Technicians and Related Support
Sales	Sales
Office and Clerical	Office/Clerical
Craft Worker	Precision Production, Craft and Repair
Operatives	Machine Operators, Assemblers and Inspectors & Transportation and Material Moving
Laborers	Handlers, Equipment Cleaners, Helpers, Laborers
Service Workers	Services

For further information, contact the California Department of Fair Employment and Housing, Office of Compliance Programs:  
 (916) 227-2888.

For additional copies of this publication or other labor market information, contact the Employment Development Department's Labor Market Information Division:  
 (916) 262-2162.